DEPARTMENT OF THE NAVY
COMMANDER NAVAL SURFACE FORCE
U.S. ATLANTIC FLEET
NORFOLK, VIRGINIA 23511-5215
AND
COMMANDER NAVAL SURFACE FORCE
U.S. PACIFIC FLEET
SAN DIEGO, CALIFORNIA 92115-5490

COMNAVSURFLANT/PACINST 3502.2E
CNSL N811/CNSP N8A
17 DEC 1999
CH-1 INC

COMNAVSURFLANT/COMNAVSURFPAC INSTRUCTION 3502.2E

Subj: SURFACE FORCE TRAINING MANUAL

Ref: (a) COMNAVSURFLANT/COMNAVSURFPACINST 3502.3 (SURFTRAMAN Bulletins)
(b) NWP 1-03.3A (Rev. A) (Status of Resources and Training System (SORTS))
(c) COMNAVSURFPACINST 3501.2G/COMNAVSURFLANTINST 3500.7D (SORTS Readiness Reporting)

1. **Purpose**. To promulgate a revised Surface Force Training Manual to be used by all ships, staffs, and units of the Naval Surface Forces, U.S. Atlantic and Pacific Fleets.

2. **Cancellation**. COMNAVSURFLANT/COMNAVSURFPACINST 3502.2D

3. **Revision**. This instruction should be reviewed in its entirety. This revision includes significant changes to the plan for ships' basic training. These changes include a shorter but more flexible basic training phase, a new Engineering Qualification (E-Qual) program, and an enhanced role for the ship's ISIC and CO in controlling the need for and extent of training during the IDTC as well as an emphasis on Objective Based Training and war-fighting proficiency.

4. **Discussion**

a. This instruction provides guidance for the conduct of the Surface Force Training Program for all ships and units of the Naval Surface Forces, U.S. Atlantic and Pacific Fleets.

b. Reference (a) is comprised of Surface Force Training Bulletins. This companion document provides NAVSURFLANT and NAVSURFPAC with mission area related training information and guidance and proposed FXP exercises appearing in Appendix A of this manual.

c. The reporting of individual unit readiness is accomplished according to references (b) and (c). This instruction contains amplifying readiness reporting information.

d. To permit regular updates to the Appendices of this manual, non-policy changes may be approved jointly by the Assistant Chiefs of Staff (N8) on each staff by appropriate notice.

e. This Manual may be cited by its short title: SURFTRAMAN (STM)

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COMNAVSURFLANT:
The Surface Force Training Manual is posted at www.cnsl.spear.navy.mil.

COMNAVSURFPAC Distribution: (Three copies unless otherwise indicated)
SNDL Parts 1 and 2

24D1	Surface Force Pacific (N1, N2, N3, N41, N42, N43, N6, N8)
26A2	Amphibious Group PAC
26C2	Beach Group PAC
26 DD2	Mobile Diving and Salvage Unit 1
26GG2	EOD Group and Unit PAC
26E2	ACU ONE, ACU FIVE and BMU ONE only
26S2A	HDC 110, 111, 113, 114
26T2	RSO San Diego
26VVV2	Fleet Surgery Team (1, 3, 5, 7 and 9 only)
28A2	Carrier Group PAC
28B2	Cruiser-Destroyer Group PAC
28C2	Surface Group and Force Representative PAC
28D2	Destroyer Squadron PAC
28I2	IBU 11,12, 13, 14, 15, 16, 17
28L2	Amphibious Squadron PAC
29A2	Guided Missile Cruiser PAC (CG)
29E2	Destroyer PAC (DD) 963 Class
29F2	Guided Missile Destroyer PAC (DDG)
29AA2	Guided Missile Frigate PAC (FFG) 7 Class
31A2	Amphibious Command Ship PAC (LCC)
31G2	Amphibious Transport Dock PAC (LPD)
31H2	Amphibious Assault Ship PAC (LHD) (LHA) (10)
31I2	Dock Landing Ship PAC (LSD)
31M2	Tank Landing Ship PAC (LST)
31N2	Multi-Purpose Amphibious Assault Ship (LPD)
32H2	Fast Combat Support Ship PAC (AOE)
32X2	Salvage Ship PAC (ARS)
32KK	Miscellaneous Command Ship (AGF) (USS CORONADO only)
39E2	Amphibious Construction Battalion PAC

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21A2	Commander in Chief, U.S. Pacific Fleet (3) (code 336 (1))
22A2	Fleet Commander PAC (2)
23C	Reserve Force Commander and Detachment
24A2	Air Force Commander PAC
24G2	Submarine Force Commander PAC
24H2	Fleet Training Command PAC (2)
26J2	Afloat Training Group (PAC, MIDPAC, WESTPAC, PACNORWEST DET only) (20)
26R2	Mobile Inshore Undersea Warfare Unit and Group PAC
26JJ2	Fleet Area Control and Surveillance Facility PAC (2)
26KKK2	Tactical Training Group PAC
29B2	Aircraft Carrier PAC (CV/CVN) (2)
29C2	Coastal Patrol Boat PAC
42T2	Tactical Air Control Group and Squadron PAC (VTC)
42BB2	Helicopter Anti-Submarine Squadron PAC (HS)
42CC2	Helicopter Anti-Submarine Squadron, Light PAC (HSL)
45A2	Marine Expeditionary Force (CG III MEF only)
45B	Marine Division (CG FIRST MARDIV (5), CG THIRD MARDIV (5), CG FOURTH

	MARDIV (4))
45E	Infantry Regiment (THIRD MAR only)
45G	Artillery Battalion (FIRSTBN TWELFTH MAR and THIRDBN ELEVENTH MAR - Attn: Naval Gunfire Section only)
45V	Expeditionary Brigade and Unit (CG FIRST MEB only)
46B	Aircraft Wing (CG THIRD MAW only)
B5	Coast Guard (COMPACAREA (15) only)
C84N	Aegis TRAREDCEN Det (San Diego, Pearl Harbor and Yokosuka only)(3)
FB32	Expeditionary Warfare Training Group PAC
FB44	Missile Range Facility
FF42	Postgraduate School
FT22	Fleet Combat Training Center (San Diego only)
FT24	Fleet Training Center (San Diego only) (20)
FT46	Fleet Anti-Submarine Warfare Training Center (FLEASWTRACENPAC only) (20)
FT65	Fleet Intelligence Training Center
FT85	Trident Training Facility, Bangor

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RECORD OF CHANGES

Change Number	Date of Change	Date Entered	Entered By
1	01 FEB 01	01 FEB 01	CNSP

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LIST OF EFFECTIVE PAGES

The following is a list of pages in effect. "0" indicates the original as printed in this edition.

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CHAPTER 1

GENERAL INSTRUCTIONS

SECTION 1

INTRODUCTION

Ref: (a) COMNAVSURFLANT/COMNAVSURFPACINST 3502.3 (SURFTRAMAN Bulletins)

1101. **Executive Summary**. The Surface Force Training Manual is the primary source of Type Commander training policy and requirements information. It describes the Inter-Deployment Training Cycle (IDTC), with emphasis on the basic phase of training, and shipboard training procedures. Separate chapters detail Battle Efficiency, Command Excellence and other awards ships compete / qualify for during their training and operating cycles. The requirements for training related reports have been reduced to the periodic Training Report (TRNGREP), which is automated using the TYCOM Readiness Management System (TRMS) software. Appendices describe detailed exercise requirements by ship class, training capping rules, exercise equivalencies, formal schools requirements and courses available through the Shipboard Training Enhancement Program (STEP). This edition incorporates changes to Inter-Deployment Training Cycle (IDTC) that result from the CNO's IDTC Workload Reduction Initiative to increase the flexibility of Commanding Officers and ISICs to better tailor training to meet specific readiness and training requirements and to improve overall readiness in all mission areas."

1102. **Purpose**. The purpose of this manual is to provide the policy and minimum TYCOM requirements to assist the ISIC and Commanding Officer to develop a comprehensive training program that integrates a sequence of individual, team, and unit training evolutions in all mission areas applicable to the Naval Surface Forces, U.S. Atlantic Fleet and U.S. Pacific Fleet. It is the primary directive for planning, scheduling, and executing all training requirements within the Naval Surface Forces.

a. This manual includes formal training requirements applicable to ships and units of the Surface Forces. This manual does not address billet sequence training, NEC related training, or NTP identified training requirements. These requirements are adequately covered in BUPERS directives, EDVRs and NTPs.

b. Within available spending limits, the training requirements in this manual are those that the surface Type Commanders are committed to fund.

1103. **Organization**. This manual establishes common training requirements and procedures for the accomplishment of unit training within the Surface Forces of the Atlantic and Pacific Fleets. It will be jointly reviewed annually. Reference (a) provides information and guidance in the form of bulletins on selected mission area training and readiness matters in amplification of this manual. These bulletins are designed in a simple and easily changeable format, with each bulletin addressing a single topic.

1104. **Guidelines**. The primary goal of the IDTC is to ensure that deploying units are fully ready to perform all designated missions. The requirements established in this manual supports this goal and is predicated on the following guidelines.

a. Exercise Requirements. This manual consolidates all ship and unit exercise requirements of the Fleet Exercise Publications (FXPs), SURFTRAMAN Bulletins, and other training directives into a single document. Specific training requirements are identified and organized for each unit type and mission area. This manual makes additional provisions for:

(1) The conduct of a two-part Command Assessment of Readiness and Training (CART) whereby the ISIC and Commanding Officer can assess the ship's mission area proficiency, identify specific training strengths and deficiencies, and plan a tailored training program for the ship between deployments.

(2) The completion of required certifications as outlined in chapter 2.

(3) The conduct of a Final Evaluation Period (FEP) at the completion of the designated basic phase training period.

(4) The accomplishment of some exercises, such as live weapons firings, on a repetitive vice a cyclic basis to ensure proficiency is maintained.

b. Planning and Scheduling. The development and execution of a well-formulated unit training plan is essential to the successful maintenance of unit readiness and is the responsibility of each command. The planning and scheduling of inter-deployment training shall incorporate the requirements of this manual and will be in accordance with the modular scheduling guidelines of the appropriate operational commander.

c. Schedule Execution. Due to fiscal and scheduling limitations, the training opportunities that are available to units of the Naval Surface Forces are limited and must be optimized. Commanding Officers should make every effort to prepare for and execute the training provisions of their quarterly employment schedules, once approved. Additionally, whenever possible, Commanding Officers are enjoined to creatively pursue the parallel accomplishment of any unscheduled training opportunities that may arise. When outside services (e.g., aircraft, ships, observers, training ranges, etc.) are involved, units that are unable to participate in scheduled training events should notify their ISIC immediately so that these scarce training resources may be re-allocated to other units.

d. Assessment. The assessment of unit training accomplishment is an integral and important part of the Naval Surface Force Training Program because it provides the primary qualitative measurement of a unit's ability to satisfactorily perform its assigned mission areas.

e. Performance Based Training. The task of training will be facilitated through the use of OBT, which defines, in a single source, all afloat training objectives for each ship class. OBT is a library of mission specific tasks for all watch stations. OBT defines what must be trained, how it will be trained, and how well it must be performed.

f. Simulation Based Training. Simulation based training provides an effective complement to underway exercises. The use of onboard and other available training devices under the supervision of shipboard training teams shall be conducted whenever possible.

g. Reporting. Satisfactory completion of the training and exercise requirements contained in this manual is the primary basis for measuring unit readiness within the Naval Surface Forces. It is therefore important that subordinate commands report their training accomplishments in a timely and accurate manner, so that higher echelons of command can monitor individual unit readiness. The vehicle for reporting the completion of required training is the Training Report (TRNGREP), which is discussed in Chapter 5.

1105. **Applicability**. The provisions of this manual apply to all ships and units (e.g., TACRON Dets, ACU Boat and LCAC Groups, LCUs, BMU Beach Party Groups and Teams, PHIBCB Dets, EOD Dets, NCW Units) of the Naval Surface Forces. Distribution of applicable portions of this manual also includes Military Sealift Command military departments for use as desired when providing service support, and ships of the U.S. Coast Guard when conducting training. As new ship classes and ship systems are added to the Naval Surface Forces, new or revised training evolutions will be added to the appropriate sections of this manual.

SECTION 2

RESPONSIBILITIES

Ref: (a) OPNAVINST 3120.32C (Standard Ship's Organization and Regulations Manual)

1201. **Commanding Officer**. One of the principal responsibilities of the Commanding Officer is to ensure the development of a viable training program to train the ship. The Commanding Officer will:

a. Achieve, as a minimum, the training readiness objectives specified in the Surface Force Training Manual. To this end, the Commanding Officer shall periodically review and update the ship's long-range training plan to ensure proper planning and coordination with the ship's projected employment schedule.

b. Conduct a Command Assessment of Readiness and Training (CART) per Chapter 2, Section 2 of this manual and propose schedule modifications to help the ship conduct required training.

c. Tailor inter-deployment training objectives as determined by the CART process and approved by the ISIC.

d. Use every opportunity to achieve / maintain unit proficiency by use of onboard training devices.

e. Aggressively prepare ship systems and personnel for scheduled training events, including the accomplishment of all prerequisite training and systems level tests required to progress from basic level training to intermediate and advanced level training.

f. Evaluate and report primary and secondary mission area training readiness by:

(1) Establishing the formal training teams described in Chapter 3, Section 1 of this manual.

(2) Reporting completed training evolutions by TRNGREP per Chapter 5, Section 2 of this manual based on CO assessments during the basic phase of training and using the criteria for individual exercises called for in FXPs or SURFTRAMAN Bulletins in subsequent training phases.

(3) Requesting and reporting equivalence for an exercise when, in the CO's judgment, the exercise in question is adequately represented by the equivalency and the objectives of the exercise are met.

(4) Ensuring the timely and accurate reporting of the ship's exercise accomplishments and mission area training readiness per Chapter 5 of this manual.

f. Ensure internal administration of training in the command is well organized and is maintained per the guidelines in Chapter 8 of reference (a) and amplifying Fleet and TYCOM directives. The use of available IT (Information Technology) programs to maintain training plans, lesson guides, and attendance records is encouraged.

1202. **Immediate Superior in Command (ISIC)**. The ISIC monitors and provides overall supervision for the conduct of each assigned unit's progress throughout the training cycle and participates in selected evolutions. Additionally, the ISIC will:

a. Ensure compliance of assigned units with the Surface Force Training Manual.

b. Assist Commanding Officers in the coordination of CART evaluations, to include scheduling assistance, liaison with the Afloat Training Group (ATG), and act as senior assessor during CART II.

(1) Approve Commanding Officers tailored training plan for the conduct of Tailored Ship Training Availabilities (TSTAs).

(2) Conduct CART II and FEP, supported by ATG.

c. Conduct required certifications of assigned ships as outlined in chapter 2.

d. Review and approve inter-deployment training plans of assigned units and monitor their execution. Coordinate unit requests for training services and coordinate scheduling of ship assist/ certification visits.

e. Approve ship scheduling, coordinate schedule requests through the chain of command, and monitor basic phase exercise completion.

f. Monitor the performance of assigned units participating in training. If progress is unsatisfactory, an ISIC recommendation shall be forwarded detailing specific shortcomings and additional training time requested.

g. Ensure adequate re-evaluation of skills found to be unsatisfactory or incomplete following completion of TSTA.

h. Monitor intermediate and advanced phase training through liaison with tactical squadron commanders/immediate operational commanders, OCEs for major fleet exercises, and battle group commanders/amphibious ready group commanders.

i. Administer the Battle Efficiency Award program for assigned units.

j. Provide final approval of exercise equivalency requests and endorse waiver requests.

1203. **Type Commander**. Responsibilities of the Type Commander include:

a. Overall management of surface force training.

b. Development of new or revised training evolutions, their publication through the appropriate FXP or other primary review authority, and implementation as training plan modifications.

c. Identification of training support service requirements to be provided by other commands for surface units.

d. Coordination of schedules and services to facilitate the routine execution of standard sequences of training and readiness evolutions (CNSL).

e. Publication of training bulletins, as required, to announce training policy, new training requirements, and other guidance necessary to improve Surface Force training and readiness reporting.

f. Annual review of the Surface Force Training Program.

g. Coordination between TYCOMs to ensure ongoing training standardization.

h. Assisting Commander, Naval Reserve Force (COMNAVRESFOR) and Commander, Special Warfare Command (COMSPECWARCOM) in identifying training support and service requirements for NRF and PC class ships and NCW units.

i. Provide surface force training guidance to the Afloat Training Groups.

SECTION 3

NAVAL RESERVE FORCE TRAINING AND READINESS

Ref: (a) COMNAVSURFRESFORINST 3502.1C (COMNAVSURFRESFOR Master Training Plan)

1301. **General**. The Naval Reserve consists of Ready, Standby, and Retired Reservists. Reservists in a pay status are called Selected Reservists (SELRES). Selected Reservists are organized into units with specific mobilization billets, generally on board active commands ("gaining commands") or as stand-alone units. Training of those units not assigned to Naval Reserve Force (NRF) ships may be accomplished at Reserve Centers or Readiness Commands, on board active ships or at the gaining command site, or as directed by higher authority during weekend Inactive Duty Training (IDT) periods and/or two week Annual Training (AT) periods. The establishment of a close working relationship between the parent command and their naval reserve unit(s) is required to maximize readiness for mobilization.

1302. **Training Philosophy**. A primary objective in the training of the SELRES is the integration of individuals and units with their active duty counterparts. This integration permits the SELRES to perform the same or similar functions as those personnel assigned to active duty and enhances their ability to perform their assigned mission when mobilized. To the maximum extent possible, commanding officers should work to foster a close working relationship with their counterpart reserve units by frequently communicating with them, coordinating the embarkation/debarkation of reserve unit personnel, and developing tailored training programs designed to optimize limited reserve active duty training and personnel qualification opportunities. To achieve these goals, commanding officers must recognize the inherent limitations of the Reserve training environment and develop innovative programs to overcome these limitations. Stand-alone reserve units will work in close coordination with their ISICs and supported/supporting commanders. Training of reservists will be conducted per reference (a).

a. Reserve Training Environment

(1) Inactive Duty Training (IDT) is accomplished two days per month, usually on the weekend; Annual Training (AT) is accomplished two weeks per year.

(2) Training for individual reservists must be sequenced, well orchestrated, well defined, and must account for inherent problems of discontinuity. Close coordination and liaison between the NRF ship CO/XO/Training Officer and the reserve unit SELRES Coordinator and Administrator (reserve unit CO/XO) are key to a successful reserve training program. Remember that these reservists are members of your command and most of these individuals do have previous active duty experience.

b. Personnel Qualifications (NRF Ships). NRF ship commanding officers are to assign all primary crew SELRES to Condition I and III watch stations. SELRES will use PQS to train for final qualification in these watch stations. Qualification time lines are as assigned by the commanding officer, commensurate with drill and annual training time available, present ship's employment, prior active duty, and PQS qualifications documented in service record page 4's. Once PQS qualified for their Condition I and III assignments, SELRES may undertake other PQS, such as inport watch stations and ESWS. General DC and 3M qualifications should be accomplished early in the SELRES' tour of duty in conjunction with initial Condition I and III watch station PQS. This watch station assignment/job accomplishment policy applies only to the NRF primary crew SELRES and not to the SELRES who perform one time annual training in support of fleet operations.

c. Active Ship Augment Unit SELRES Training. Active commands must provide on-scene evaluation to ensure the adequacy of reserve training programs. NRF ships also train Ship Augment Units (SAUs). SAU's are normally located at reserve centers located out of the local geographical site to the assigned NRF ship (Example: A SAU for USS WADSWORTH might be located in Tucson, AZ). If assigned, the goal of each SAU is to drill on board their gaining commands one weekend per quarter (this limitation is largely due to reserve funding constraints); other monthly IDTs are conducted at reserve centers or other training facilities. These units train to Integrated Training Plans vice NRF ships' training plans.

(1) Each reserve unit is required to determine the applicable billet qualification requirements from its Integrated Training Plan(ITP), if issued, through liaison with the active command.

(2) Reserve unit commanding officers can sign off interim qualifications for unit members who complete all of their training requirements. However, final qualifications must be approved by active unit commanding officers during IDT/AT.

(3) Once certified, reserve personnel should be enrolled in an appropriate post-qualification program. Certification is indicated on the AT check-off list (CHNAVRES 1571/1).

(4) IDT is a weekend training period that is supported by a host ship. In addition to initial shipboard orientation, training should be organized to include on-the-job and formal training in equipment operation and maintenance, and damage control and watch standing. Embarked personnel should be fully integrated into the ship's daily and watch routines.

d. Annual Training (AT) may include inport or underway training based on ship operating schedules. Training should be tailored to the circumstances at hand. If the entire AT period is inport and the ship is undergoing major maintenance, the use of shore based training facilities and/or other ships for equipment operation and watch station training is encouraged. Ship schedules will reflect the particular ship's employment as Naval Reserve Training (NRT) for underway training or Reserves Embarked (REM) for inport training.

e. Other SELRES training. All reservists are tasked to meet the requirements of their billet-specific Individual Training Plan (ITP). In addition, gaining commands will ensure that each reserve unit receives real-world tasking (either peacetime contributory support or mobilization readiness) in support of their mission, to the extent possible. Stand-alone units will maintain their unique level of expertise consistent with unit mission and current funding.

1303. **Naval Reserve Force (NRF) Training Requirements**. The specified wartime mission for NRF units requires that training requirements remain the same as for active duty counterparts to provide a benchmark for measuring the actual status of NRF readiness. Training objectives for NRF units are designed with the unique manning capabilities of these units considered. Naval Reserve Force unit training objectives are delineated in subsequent chapters of this manual, with departures from active duty counterpart objectives specifically indicated.

SECTION 4

FEEDBACK AND ADVISORY PROCEDURES

1401. **General**. This section provides for a Surface Force Training Manual feedback/response/advisory system whereby individual units, ISICs, training commands and the TYCOMs may routinely communicate in a forthright and constructive interchange. Because of the continuing evolution of ship types and classes, warfare capabilities, and associated tactics, the TYCOM-directed training program must remain dynamic. In addition, standardization of Naval Surface Force training must be maintained throughout the Navy. New training evolutions, revisions to existing evolutions, and more efficient training sequences must continually be developed and implemented.

1402. **Feedback**

a. Any unit in the chain of command, as well as any activity that is included on the distribution of the Surface Force Training Manual either as a service provider or a supporting activity, may initiate (preferably by message) a query about any aspect of the surface force training program or make a recommendation for its improvement. The following standard message format is provided:

FM (Submitting Command)
TO (ISIC)
INFO (Chain of Command)
COMNAVSURFLANT NORFOLK VA//N81/N811//
COMNAVSURFPAC SAN DIEGO CA//N8/N83//
(Classification) //N03502//
MSGID/GENADMIN/(Originator)//
SUBJ/SURFTRAMAN FEEDBACK REPORT
REF/A/DOC/CNSL-CNSP/(DATE OF THIS INSTRUCTION)
AMPN/REF A IS CNSL-CNSPINST 3502.2C SURFTRAMAN CH 1 SEC 4
REF/B/(As necessary)
POC/(Point of contact)
RMKS/1. Briefly state problem or query.
2. Recommend corrective action.//
BT

b. Upon receipt of additional ISIC/chain of command comments or by a simple "REQ TAKE REF A FORAC" message, the applicable Type Commander will investigate the proposal and provide a reply using the same subject line. If the issue raised has application to other ships, ISIC should so indicate in comments.

c. To help maintain standard procedures and training policies in both fleets, feedback responses originated by one Type Commander that affect previously agreed upon standards (e.g., exercise requirements, applicability to ship classes, exercise periodicities, capping criteria, readiness reporting guidelines, etc.) will be coordinated with and will include the other Type Commander as an info addee.

d. Feedback responses originated by one Type Commander that do not affect agreed upon standards (e.g., obvious data base errors or omissions) need not include the other Type Commander as an info addee.

1403. **Advisories**

a. To provide advance notice of changes to the Surface Force Training Manual, amplifying guidance, or other general information affecting the Surface Force Training Program, each Type Commander may originate advisories, either by message or notice, as appropriate.

b. Each Type Commander will include the other as an info addee on all Surface Force Training Advisories to allow further dissemination of their content, as desired.

CHAPTER 2

SURFACE FORCE TRAINING

SECTION 1

OVERVIEW

Ref: (a) CINCPACFLT/CINCLANTFLTINST 5451.1 (Afloat Training Organization)

2101. **Overview**. The Commanders-in-Chief, Atlantic and Pacific Fleets, have the primary responsibility for the training of naval forces provided to the Unified Commanders. Under the CINCs' overall direction, primary mission area tactical training is executed by the Type Commanders in the basic phase of the training cycle and by the numbered fleet commanders in the intermediate and advanced phases of the training cycle in accordance with reference (a). The training cycle begins with CART I near the middle of deployment. CART I is a ship's self-assessment of operational proficiency, formal school training, team training, inspections/assists and material/equipment status. CART II, an ISIC assessment of unit proficiency, is notionally conducted after the first major maintenance availability following deployment and is the beginning of the basic phase. CART II is used to determine what training is necessary during the Tailored Ship's Training Availability (TSTA). CART is discussed in greater detail in Section 2 of this chapter. The ISIC's Final Evaluation Period (FEP), marks the end of the basic phase. The intermediate and advanced phases of the training cycle occur under the Numbered Fleet Commander (NFC) during which operational proficiency and combat readiness is reinforced through underway exercises and dedicated advance tactical training ashore. Figure 2-1-1 provides a graphic representation of the TTS cycle.

DEPLOY	MAINT	BASIC	INTERMEDIATE	ADVANCED
CART I		CART II TSTA SPECIALTY FEP	MEFEX COMPTUEX	JTFEX

Figure 2-1-1 THE TTS TRAINING CYCLE

2102. **Phases of Training**

a. **Basic Training**. The TYCOMs are responsible for the scheduling, composition and criteria of Basic Phase training. The training is conducted by the ISIC, supported by the Afloat Training Organization. The focus is on unit-level training emphasizing training team development, watchstander qualification and exercises and evolutions in basic command and control, weapons employment, mobility (navigation, seamanship, damage control, engineering, and flight operations) and warfare specialty. Upon completion of the basic phase, a unit is expected to be proficient / (M2) in all mission areas. Basic Phase training is discussed in Sections 3 and 6 of this chapter.

b. **Intermediate Training**. The numbered Fleet Commanders are responsible for conduct of Intermediate phase training. The focus in this phase is on warfare team training and initial multi-unit operations under the

traditional CWC concept or a modified concept of joint operations. During this phase, ships begin to develop warfare skills in coordination with other units while continuing to maintain unit proficiency.

c. **Advanced Training**. The focus of Advanced Phase training, also under the numbered fleet commander, is to continue to develop and refine integrated battle group warfare skills and command and control procedures needed to meet the supported CINC's specific mission requirements. Training objectives are tailored to force structure, capabilities, and missions tasked by the supported CINC (i.e. CVBG, ARG/MEU (SOC) warfare skills). Training deficiencies noted during the Intermediate Phase training are also factored into the Advanced Phase syllabus.

d**. Proficiency Training**. A specific set of repetitive training exercises is of particular importance in maintaining operator and team proficiency. To maintain these essential skills, exercises (including live weapons firings or exercises requiring live services) are identified by mission area in Appendix A for proficiency maintenance.

SECTION 2

COMMAND ASSESSMENTS

2201. **General**. There are three command assessments conducted during the course of a complete employment cycle. CART I and II, a two-phase process intended to be a comprehensive review of training readiness; and FEP, an ISIC assessment of the unit's readiness to proceed to the intermediate and advanced phases of the IDTC. CART I is conducted by the ship's Commanding Officer and commences around mid-to-end of deployments of four months or longer. CART II is an ISIC assessment, supported by ATG, conducted once per IDTC or not-to-exceed 30-month intervals for ships not in a regular deployment cycle. It is normally conducted after completion of regular scheduled maintenance periods. The focus is to validate existing strengths in the training team organization and watchteam performance and can be used to assist the Commanding Officer in establishing training priorities and requesting training assistance.

2202. **CART Procedures**.

a. CART I. Command Assessment of Readiness and Training, Phase I, is conducted before the end of each major deployment for active units homeported in CONUS or MIDPAC. Ships homeported as part of the Forward Deployed Naval Forces (FDNF) will conduct CART I four months before (D) SRA/(D) PMA. Non-deploying units will conduct CART I at not-to-exceed 30-month intervals as scheduled by their ISIC.

(1) Step One. Review formal school training status/needs:

(a) Review and identify personnel shortfalls (critical NEC, billets) via EDVR/ODCR. This review should be completed well enough in advance to provide a timely heads-up to support activities ashore for scheduling training such as school quotas, training assists and inspections.

(b) Identify individual school/team training requirements and request quotas.

(c) Identify TADTAR requirements and request augmentation if necessary.

(2) Step Two.

(a) Review basic phase/repetitive elements for material readiness oriented needs that will potentially become part of the work-up requirements (e.g., UNREP SQT (LOG-1-SF/LOG-2-SF)).

(b) Identify potential special training requirements and areas where crew performance is especially strong or weak.

(c) Identify any sensor, weapons system, ship system additions or modifications that will take place during SRA/PMA/UPK periods that will require formal training for existing crew members or enroute training for new personnel. (See paragraph 2109 a.)

(d) Conduct initial material/equipment assessment to determine equipment condition. Reviews shall be conducted using a number of existing programs, such as Preventive Maintenance System, combat systems checkout employing OCSOT, systems testing, or conduct of safety and zone inspections using ship-tailored NAVSAFECEN safety review checklists and proposed Availability Work Package.

(e) Keep ISIC informed of any issues surfaced in CART I that may impact subsequent training.

(f) Schedule an SBTT course tailored to own ship's needs as early as possible.

(3) Step Three. Schedule CART II eight to ten weeks after the completion of the maintenance availability.

(4) Step Four. Review current PQS program and watchbill:

(a) Review current watch-bills for anticipated losses of qualified watchstanders. Make PQS assignments as necessary to maintain continuity after post-deployment leave and upkeep period.

(b) Review current PQS materials on hand; order new books as necessary.

(5) Step Five. Validate/modify ship's training plan for the IDTC based upon assessment results. Request ATG assistance as desired.

b. CART II. CART II is a robust, performance based assessment of a unit's readiness in each mission area except the amphibious, mine and salvage mission areas. It may include underway days depending upon the ISIC and Commanding Officer's desires. By assessing material, administrative, and training proficiency based on demonstrated mission area proficiency, CART II helps to identify areas that need further training during TSTA. The ship's tailored training plan should be revised as necessary after CART II and, with ISIC approval, will become the basis for follow-on tailored ship's training during the basic phase.

(1) Step One. Conduct self-assessment using CART II checklists and other directives.

(2) Step Two. Mission area team proficiency assessment. ATG, in PACFLT; and ISIC and ship, in LANTFLT; are responsible for coordinating support services required for proficiency assessment in each area. To the maximum extent possible, watch teams assessed should include those crew-members who will remain on board through the next deployment. Condition III watch teams shall be assessed. CART II will include an ISIC review of the ship's self-assessment of its readiness to execute its training plan.

(3) Step Three. Conduct the following as appropriate to individual ship type and mission area.

(a) ISIC debrief CO.

(b) The CO and ISIC revise the tailored training plan as needed. This will permit early resolution of schedule conflicts, determination of TSTA/specialty warfare area training length and verification of support service availability.

(4) Step Four The ship's database of repetitive exercises represents a continuous cycle of training requirements. ISICs and COs should review expired and expiring exercises to determine which should be included in the training syllabus to facilitate the ship's attainment of M2 at the end of basic phase.

(5) Step Five. Submit scheduling inputs to reflect the training plan.

2203. **Pre-Maintenance/Deactivation.** Ships will not normally conduct CART II prior to entering extended maintenance or deactivation period. If special circumstances or a protracted period of operations following a deployment will delay the beginning of the maintenance period, the ship may conduct CART II prior to entering the availability. In these circumstances, ships will continue to meet repetitive readiness requirements until 60 days before the availability or 30 days before deactivation start. Some units may be scheduled to participate in evolutions during the 60 and 30-day pre-maintenance/pre-deactivation periods that will provide the opportunity to conduct repetitive exercises. Ships should maintain a continuing training program to ensure operational proficiency while using assets (i.e., fuel, ordnance) economically during this period. Ships will maintain readiness reporting throughout the availability. Upon entering a pre-strike period for deactivation, ships will cease reporting.

2204. **Final Evaluation Period (FEP).** FEP represents the culmination of the Basic Phase of training and should demonstrate the ship's ability to conduct multiple simultaneous combat missions and support functions and to survive complex casualty control situations under stressful conditions. During FEP the ship demonstrates the required levels of tactical proficiency and warfare knowledge to proceed to the intermediate phase of the inter-

deployment cycle as well as the ability to sustain readiness through self-training. Because each ship executes a unique TSTA process that is driven by a variety of variables (residual crew proficiency, CART II performance, TSTA performance, nature of upcoming deployment, OPSKED perturbations, etc.) it is more realistic and efficient to develop a FEP syllabus tailored to each ship's requirements than to have a standard package. Direct oversight and active participation in the work-up process places the ISIC in the best position to define the appropriate combination and sequence of FEP evolutions/drills. Previous demonstration of the capacity to perform multiple simultaneous mission areas under stressful conditions should be considered in determining the scope and duration of FEP.

2205. **Forward Deployed Naval Forces (FDNF)**

a. CART I. FDNF ships conduct CART I on return from deployment or as determined by ISIC in conjunction with CO and ATG.

b. CART II. FDNF ship CART IIs are conducted at a time agreed to by CO, ISIC, and ATG WESTPAC with appropriate regard for the availability of assessment teams. CART II must be done early enough to support tailoring/planning of any follow-on TSTAs and, if possible, should be done sufficiently after CART I to allow time to correct deficiencies. It should also be conducted as soon as practicable after completion of SRA/PMA. FDNF ship CART IIs may be additionally tailored to permit limited training team "on-the-spot-training" to address obvious discrepancies when TSTAs may not be scheduled early enough to correct a discrepancy prior to follow-on contingency operations. The final product of a FDNF ship's CART II will be a general IDTC plan agreed to by CO, ISIC and ATG.

c. Final Evaluation Period (FEP). FDNF FEPs are designed by the ISIC, with ATG WESTPAC support, and conducted at not-to-exceed 30-month intervals.

2206. **Reports.**

a. No reports concerning CART I or CART II are required.

b. FEP results will be reported by the ISIC at the end of Basic Phase Training by a simple message report stating the date FEP was completed and that the ship is ready to proceed to intermediate and advanced training. ISIC will indicate if there are any deficiencies that require remedial action and planned course to correct. The ship will file the necessary TRNGREPs reflecting the exercise completions that would verify the attained M-2 readiness goals in accordance with the mission area M-rating calculation described in paragraph 5203.

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SECTION 3

TRAINING

Ref: (a) CINCPACFLT/CINCLANTFLTINST 4790.3, Vol 5. (Joint Fleet Maintenance Manual)

2301. **Shipboard Training Teams**. The shipboard training teams, described in Chapter 3, Section 1 of this manual are the primary agents involved in shipboard training. Shipboard training teams shall play an active, aggressive role in the preparation and execution of training evolutions. Training for watch teams shall be conducted using on-board trainers and elementary training exercises during sea trials, CSSQT, and other underway periods. As feasible, inport training should be planned and scheduled to take maximum advantage of shore based mobile team training devices and participation in regional inport training events.

2302. **Training during Pre-Maintenance Availability Periods**. Training emphasis during the pre-overhaul and overhaul period should be focused on the following areas:

a. Developing / Executing a training plan that includes:

(1) Shore-based combat systems team training.

(2) Formal schools training.

(3) Afloat Training Group assistance visits.

(4) Continuous training to maintain operator proficiency.

(5) Shipboard Training Team Course

(6) Watchstander / Watch Team Training

(7) Personnel Qualification

b. If possible, a formal safety survey by the Naval Safety Center should be scheduled before overhaul. Special emphasis should be given to safety training in the potential hazards and safety requirements of the industrial environment.

c. Quality Assurance (QA) training requirements, detailed in reference (a), shall be reviewed and appropriate training conducted.

2303. **Training During Maintenance Availabilities.** To meet the overall objective of the basic phase, ships must plan and accomplish as much individual and team training as possible during major maintenance availabilities. The specific training guidelines for ships in depot level major maintenance availabilities are detailed in the following subparagraphs.

a. Formal Schools Training. The goal in each mission area should be to complete as much of the required formal schooling specified in Appendix D as possible by the end of the maintenance availability. Emphasis should be placed on individual and team training required to prepare for the initial underway period and on the completion of all school requirements to support underway training availabilities.

(1) Particular emphasis should be placed on a thorough review of the Ship's Overhaul Modernization Manning and Training Improvement Program (SOMMTIP) document produced by NAVSEA. The primary purpose of this document is to highlight manning changes and training requirements generated by equipment installed or modified during the availability.

(2) Applicable training OPORDs and checklists should be reviewed to ensure all training school requirements are completed.

(3) Review the SPAWAR Integrated Battle Force Training (IBFT) website. The IBFT lists all required C4ISR training, including contractor provided training and formal schools, for ships within 20 months of deployment. See paragraph D-106.

b. Watchstander/Watch Team Training. In addition to formal school team training, ships in major maintenance availabilities should explore opportunities to cross deck individuals and teams to other operating ships, where appropriate, to maintain operational proficiency and to correct training deficiencies. ISICs can assist in this process by formally designating a school/training ship on a rotating basis to serve as a training platform for ships in overhaul or undergoing major maintenance.

c. Personnel Qualifications. Shipboard PQS programs should be reviewed to identify new equipment and systems that require PQS coverage, to implement PQS standards for new personnel, and to determine required watch station qualifications in preparation for propulsion plant light-off and sea trials. The projected watchbill is a powerful management tool to validate current PQS/training levels.

d. Shipboard Training Teams. Commanding Officers should review the organization of shipboard training teams required by Chapter 3 of this manual, and take action to maintain teams for post-overhaul training. Teams must be established and functioning before the end of overhaul. Attendance of the ATG Shipboard Training Team Course early in the overhaul is strongly encouraged.

2304. **New Construction Shakedown Training Requirements**

a. The purpose of shakedown training is to ensure that a ship is safe to operate. Shakedown training occurs between commissioning and Post-Shakedown Availability, or commissioning and Combat Systems Ship Qualification Trials (CSSQT) for ships so scheduled. It forms the first step in the TSTA/FEP process leading to operational employment for new construction ships.

b. Shakedown training will comprise basic level training in the following areas:

(1) Damage control

(2) Navigation

(3) Seamanship

(4) Propulsion engineering

(5) Communications

(6) Medical

(7) Aviation

c. Shakedown training is the responsibility of the ISIC. The specific shakedown exercise syllabus will be determined during crew certification. In the case of a new construction ship, the ATG on the coast where the ship is built will provide training as requested by the Commanding Officer or ISIC.

d. CART II may be conducted prior to sail away depending on ship and ISIC evaluation of training requirements and scheduling needs.

2305. **Basic Phase Training** . The overall training objective of the basic phase is to build individual and watchteam knowledge and warfighting skills. The eight to ten weeks following completion of the maintenance period is the Commanding Officer's time. Training following CART II, leading up to FEP, is a Tailored Ship's Training Availability (TSTA). The need for, length and number of phases of TSTA training will be determined by the Commanding Officer with ISIC concurrence. It will be from one to seven weeks in length, with ATG providing assistance as requested by the Commanding Officer. Continuous certification applies throughout TSTA. Progress is measured by a declining list of training objectives in both training team and watch team proficiency. The purpose of TSTA is to prepare the ship to proceed to the intermediate and advanced phases of training.

2306. **Specialty Training.** Salvage training, mine warfare training, amphibious warfare training and special operations training may be integrated into TSTA training or conducted as a separate evolution as determined by each Type Commander based on the particular training resources available.

a. Amphibious Warfare Specialty Training consists of post-maintenance or inter-deployment specialized warfare training for amphibious class ships. The objective of this specialized training period is to develop team skills and afford the cross-training opportunities necessary to accomplish coordinated and timely surface and air ship-to-shore movements (day/night) in the amphibious assault environment.

b. MCM/MHC Warfare Specialty Training is designed to focus and refine the mine countermeasure skills of surface mine countermeasures ships. The goal is to develop an organic training capability that will improve team proficiency prior to MIW evaluation during MIW Specialty Training, fleet operations, and integrated mine countermeasure operations.

c. Salvage Training (SALVTRA) consists of specialized maritime diving and salvage training for salvage ships. The objective of this specialized training is to ensure that all salvage ships are trained and ready to respond immediately and effectively to any diving and salvage mission. Specialized exercises to be conducted during this period of training will consist of those selected from the listing in Appendix A.

2307. **Basic Training for Forward Deployed Naval Forces (FDNF)** The unique situation of FDNF ships, characterized by higher OPTEMPO and often complex operations without respect to particular training phases, requires greater flexibility in adapting the notional tactical training progression to their use. Since FDNF ships do not have a traditional IDTC, basic phase training shall normally be conducted every 30 months. FDNF ship CART IIs may be additionally tailored to permit limited training team "on-the-spot-training" to address obvious discrepancies when TSTAs may not be scheduled early enough to correct a discrepancy prior to follow-on contingency operations. As with CONUS based ships, the key elements of the Basic Phase will be the completion of a robust, ATG supported CART II, FEP, and completion of required certifications, including E-Qual.

2308. **Afloat Training Group (ATG)**. The ATG is available to assist ISICs and Commanding Officers throughout the IDTC. Commanding Officers are encouraged to establish liaison with the ATG as early as possible in the process. Training specialty areas consist of combat systems, engineering, damage control, medical, seamanship, navigation, aviation, selected logistics, and administration. A complete menu of ATG training available to ships along with check sheets and training aids can be found on the ATGLANT (www.atgl.spear.navy.mil) and ATGPAC (www.atgpac.navy.mil) websites. Additional training information can be obtained from the Navy Training Synergy Database at (www.namts.com/catalog/database.asp).

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SECTION 4

CERTIFICATIONS AND QUALIFICATIONS

Ref: (a) COMNAVSURFLANT 4700.4A (Fleet Introduction Handbook)
(b) COMNAVSURFLANT/COMNAVSURFPACINST 3540.12 (Engineering Operations Assessment, Training, and Qualification for Conventionally Powered Surface Ships)
(c) COMNAVSURFPACINST 8820.1E/COMNAVSURFLANTINST 8820.1H (Cruise Missile Qualification/Certification Program)
(d) OPNAVINST 3130.6B (Naval Search and Rescue Standardization)
(e) FXP-5
(f) CINCPACFLT/CINCLANTFLTINST 3150.1(Diving Operational Readiness Assessment Program)
(g) CNSL/CNSP/CNAL/CNAPINST 3530.4E (Surface Ship Navigation Department Organization and Regulation Manual)

2401. **Crew Certification (CREWCERT).** The crew certification program is a two-phased process designed to measure the readiness of a ship as it approaches the end of the construction, overhaul, modernization, or conversion period. During the crew certification process, ships are evaluated by their ISIC to determine whether ship's training programs are adequate to support minimum underway watch-standing requirements during sea trials. Phase I of the crew certification focuses on written and oral examinations, the overall quality of the ship's training organization, and training accomplished during overhaul. Phase II consists of a shipboard evaluation of watch-standers' abilities as determined during simulated underway conditions.

a. Crew certification is required for all ships of new construction. Those ships undergoing extended conversion or modernization will use this instruction for conducting crew certification. Amplifying guidance is provided for NAVSURFLANT ships in reference (a). Crew certification for ships that have not been underway for a period of six months or more is encouraged and is at the discretion of the ISIC.

b. The major emphasis of crew certification is not training records or administrative procedures. Rather, emphasis is to be placed on review of the ship's overall training program, the ability to provide a minimum number of qualified crewmembers to support sea trials and whether these objectives are being satisfied. Review of emergency bills and ship's organization will also be included.

c. Applicable Personnel Qualification Standards (PQS) will be used wherever possible to qualify watch-standers. Those underway watches not covered by PQS should be qualified by locally developed Job Qualification Requirements (JQR).

d. Ships are expected to accomplish these requirements without support from other ships.

2402. **Certifications/Qualifications/Evaluations.** The following should be completed prior to entering the intermediate phase of training:

a. Engineering Qualification (E-QUAL). E-QUAL is conducted by the ISIC (qualifying authority), supported by the Afloat Training Group in accordance with reference (b).

b. Communication Readiness Certification (CRC). CRC is an ISIC conducted event to occur prior to FEP or, for those ships not regularly deploying, not-to-exceed every 30 months. The successful completion of the CRC is required for the Command and Control Excellence Award (see paragraph 4106). The CRC will begin with a Communications Readiness Assessment (CRA) in CART II during which the ship's self-assessment is reviewed by ISIC. The CRC will culminate with a Comprehensive Communications Assessment (CCC-19-SF) to be conducted by the ISIC with the assistance, as necessary, of ATG and NCTAMS/NCTS.

c. Cruise Missile Tactical Qualification (CMTQ). CMTQ is conducted by the ISIC, as Senior Inspector, with technical assistance from ATG on an interval not to exceed 24 months. Details are contained in reference (c).

d. Surface Unit Search and Rescue Evaluation. Reference (d) requires all surface ships and surface rescue swimmers be evaluated every inter-deployment cycle or every 24 months. For SURFLANT ships, the local ATG is designated the TYCOM evaluation authority. For SURFPAC ships, FTC San Diego is the evaluation authority for San Diego ships and the local ATG is the evaluation authority in other areas.

e. Naval Surface Fire Support Qualification. Conducted in accordance with reference (e) and applicable SURFTRAMAN Bulletins. Atlantic Fleet units conduct qualification during intermediate phase.

f. Diving Operational Readiness Assessment (DORA). ISIC assessment of unit's diving program. Conducted in conjunction with annual Salvage Training and Readiness Evaluation (SALVRTE), in accordance with reference (f).

g. ISIC Navigation Assessment. As per reference (g) the ISIC, acting as Senior Inspector and with technical assistance from ATG, shall conduct an assessment of a unit's navigation capability. This assessment must be conducted once during the IDTC. M-rating periodicity will be 15, 18, 24 months.

SECTION 5

TRAINING READINESS

2501. **SORTS Training Readiness Reporting**. Appendix A of this manual contains a comprehensive training exercise syllabus for each ship typethat summarizes, by mission area, all capabilities a ship is expected to demonstrate during the standard training and readiness cycle. Appendix B prescribes capping criteria that may cause normal readiness reporting to be overridden. Appendix C contains Type Commander pre-approved exercise equivalencies.

2502. **Naval Reserve Force (NRF) Readiness Criteria**. NRF units are generally tasked with the same training requirements as their active duty counterparts. However, due to limited days underway with selected reservists embarked, and limited availability of inport trainers, these units may experience training degradation beyond their control. Accordingly, NRF units may complete the advanced unit phase of training without achieving C1/M1 readiness in all primary mission areas. The mission area readiness ratings listed in Figure 2-5-1 specifically prescribe the minimum acceptable standards for NRF units at the end of advanced training/during repetitive (proficiency) training.

Selective Minimum Readiness Standards

Mission Area	CRUDES	AMPHIB	MIW
AMW	M3	M2	
AW	M2		
C2W	M2		
CCC	M3	M3	M3
MIW			M2
MOB	M2	M2	M2
SUW	M2		
USW	M2		

Figure 2-5-1. NRF UNIT ADVANCED PHASE READINESS

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SECTION 6

TRAINING ASSESSMENT AND END OF THE BASIC PHASE

2601. **Training Level.** A ship's training level is a combination of the proficiency of its watchstanders to perform their duties and the ability of the ship to sustain that training through its training team organization. The ISIC will assess the ship's training level at FEP. The following relate to Figure 2-6-1 which is intended as a tool to assist ISICs and Commanding Officers in this assessment.

a. Training Level. Training Levels I through V can be shown in the following table as the intersections of Training Team Performance and Watchstander Proficiency, using the definitions provided below.

Training Team Proficiency

Low → High

Watch Team Proficiency

High ↓

Level	C	B	A
C	V	IV	III
B	IV	III	II
A	III	II	I

Figure 2-6-1 Training Levels

b. Watchstander Proficiency:

(1) Level A: Watchstanders able to consistently react correctly during sustained, stressful operations that involve transition to an increased level of readiness.

(2) Level B: Watchstanders able to correctly perform routine duties commensurate with their rate/rating and watchstation with minimal prompting.

(3) Level C: Watchstanders assigned to all required watch stations but proficiency is weak.

c. Training Team Proficiency:

(1) Level A: Training Team able to effectively conduct scenario based training, integrated with one or more other teams. Able to effectively plan, execute, and accurately assess and debrief their participation in a complex, stressful multi-mission scenario.

(2) Level B: Training teams able to effectively conduct single mission area scenario based training..

(3) Level C: Training teams in place and qualified for the positions they are observing. Ability to conduct scenario-based training; i.e., plan, brief, execute and debrief, is weak.

2602. **End of Basic Phase**. The end of the basic phase is normally coincident with FEP. Ships should be substantially proficient with the goal of M2 in all mission areas, as demonstrated by the completion of required exercises and certifications and a satisfactory ISIC assessment of the ship's training level. A ship shall have demonstrated/completed:

a. Proficiency in all training objectives outlined in the ship's tailored training plan during which a minimum of Training Level II was attained as described in paragraph 2601.

b. Required qualifications, evaluations and certifications as outlined in paragraph 2401

c. The ability to employ installed sensors and weapons simultaneously against multiple, non-cooperative targets in a multi-threat coordinated environment (e.g., in cooperation with supporting aircraft or supporting units below the battle group level).

d. The ability to operate with a General Quarters team; Condition III watch team(s)/section(s); and CORE/FLEX (if appropriate).

e. The ability to control battle damage and expeditiously effect repairs within the designed capability of the unit.

f. The ability to conduct both day and night underway replenishment/rearming as applicable.

g. Specialized amphibious assault training, if applicable. Amphibious assault ships and units will have satisfactorily demonstrated the required level of proficiency in all areas of amphibious assault operations, both day and night.

h. Specialized logistic support training, if applicable. Combat logistics force ships will have demonstrated proficiency by meeting established standards in all phases of replenishment delivery, both day and night.

i. Specialized salvage, and mine warfare training, if applicable. Salvage and mine warfare units will have demonstrated appropriate warfare operations in an observed environment to a degree to support contingency and special operational tasking. Upon completion of MIW evaluation and FEP, MCM ships will be ready to begin integrated Surface MCM (SMCM), Explosive Ordnance Disposal MCM (EOD MCM), and Air MCM (AMCM) in an MCM group environment.

j. The preponderance of the formal schooling required by Appendix D in each assigned mission area. Units should continue to coordinate quotas for schools with their long- and short-range training plans.

k. Watchstanders should be fully qualified at their assigned watch stations.

l. All combat systems/mobility/operational/special warfare equipment certified.

m. The ability to participate routinely in Tactical Data links, if applicable.

n. Watch officers and watch supervisors are familiar with equipment, various regulations and organizations manuals, shipboard doctrines, standing and battle orders.

o. The ability of the shipboard training teams to conduct adequate self-training, using installed, onboard training systems, in all applicable mission areas.

SECTION 7

INTERMEDIATE/ADVANCED TRAINING PHASE GUIDELINES

2701. **General**. The intermediate and advanced phases of unit training consist of multi-ship and battle group training under the numbered fleet commander and prior to the start of deployment. Emphasis is placed on integrated watch section training in a fully coordinated multi-threat environment. Included is the series of final predeployment evolutions required of all units. By the end of the advanced phase, each unit should be fully ready to deploy in a battle group/amphibious ready group or other multi-unit environment, with the goal of M-1 in all mission areas.

2702. **Guidelines**. The overall objective of the intermediate/ advanced phases is to become proficient in advanced watch team training/tactics and coordinated underway battle group operations, and to complete other inport and underway training evolutions in preparation for deployment. This includes the following major training/training-related events: inport battle group workup training, fleet exercises (i.e. COMPTUEX, MEUEX, JTFEX, etc.), integrated SMCM/EOD MCM/AMCM exercises, and inspections and grooms not completed earlier in the training phases (e.g., SSRNM, CSRR).

a. If a unit has identified training deficiencies in any mission area during basic training, appropriate corrective action must be taken during the intermediate/advanced phases to remediate the deficiency.

b. An amphibious MEUEX will normally be completed before deployment and as a prelude to the amphibious pre-deployment exercise. It is designed to provide multi-ship/marine amphibious training and certification opportunities to increase tactical proficiency and sharpen amphibious skills. The PHIBRON commander may tailor training to the requirements of the ships involved, embarked marines, and any expected deployment contingencies.

c. Squadron Exercises (RONEX) and Gulf of Mexico Exercises (GOMEX) are scheduled quarterly for those mine countermeasures units that have completed the basic training phase. The RONEX is conducted during the intermediate training phase and is designed to bring ships who have mastered individual unit MCM disciplines together as a task Force under the MCM Squadron in a tactical exercise scenario, and provide additional training as required. The GOMEX is conducted as a part of the advanced phase and brings air, surface, and underwater MCM units together to focus on integrated MCM operations in preparation for participation with the battle group in major fleet exercises involving complex mine countermeasures operations. MCM Squadron Commanders will tailor the intermediate and advanced phases to the forces involved and will consider the types of scenarios to be encountered in upcoming major fleet exercises and deployments.

d. Ships should practice the warfare commander or warfare coordinator role for which their ship is most suited to:

(1) Provide watch-teams the opportunity to practice advanced level skills.

(2) Discern gaps in watch-team/watch-stander knowledge or skills.

(3) Alert the Commanding Officer to situations that may not have been considered or anticipated.

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CHAPTER 3

SHIPBOARD TRAINING AND SCHOOLS PROGRAMS

SECTION 1

SHIPBOARD TRAINING TEAMS

Ref: (a) OPNAVINST 3500.39, Operational Risk Management
(b) OPNAVINST 5100.19C NAVOSH Program Manual for Forces Afloat

3101. **General.** This section provides guidance for the ship's training team organization.

3102. **Background**. A key initiative of the Tactical Training Strategy is to develop a self-sustaining training capability in each ship through the use of onboard training teams. Fleet training resources are used to build this capability by "training the trainers" who in turn train the shipboard watchstanders.

a. Training teams exist for five general purposes:

(1) Training. This includes both individual and team training, and encompasses pre-briefing and debriefing actions as well as providing feedback during the actual training scenario.

(2) Exercise control (including initiation of the exercise and to provide responses to watchstander / team actions).

(3) Exercise role-play. For example, the training teams perform the role of higher authority in combat systems training.

(4) Exercise planning, recording, and assessment.

(5) Safety monitoring.

b. An effective training program is based on a logical continuum of training, starting with basic watchstander actions and progressing to more complex evolutions. A foundation which develops watchstander Level of Knowledge (LOK) based on evolution training, seminars, use of embedded training devices, etc., provides the synergy for watch teams to conduct efficient exercises and drills, including integrated training. The goal is for the ship's training teams to attain self-sufficiency and to be able to maintain proficiency by conducting challenging training using realistic, safe, and progressive scenarios designed to meet specific training objectives. To be effective, training must be scheduled and conducted beyond the basic training phase and continue throughout the entire operating cycle.

c. Effective integrated scenario-based training exercises the ship as a complete combat system. It affects multi-mission areas, not merely parallel/simultaneous exercises, and demonstrates the intra- and interdependency of systems. Designing and executing scenarios that demonstrate "cause and effect" relationships between systems are the essence of integrated training. For example, imposing a simulated casualty to a non-vital system such as sea water cooling to an air conditioning plant could, if not detected and corrected in a timely manner by the watchstander/teams, lead to a loss of chill water which, in turn, would cause the loss of a principal combat system such as SPY radar. Demonstrating the critical relationship of systems through the creation of a "cause and effect" scenario requires the involvement and coordination of several training teams, tests the proficiency of watchstanders in several mission areas, and is the essence of effective integrated training.

d. While integrated training scenarios exercise the ship as an integrated weapons system, an important aspect of shipboard training, continuing training efforts are also required in subordinate functional areas; e.g.,

Combat Systems, Engineering, Damage Control, Seamanship, Navigation, Aviation and Medical, to maintain proficiency in each area. Also, as ship-wide integrated training efforts involve significant commitment of personnel and time, more frequent functional area training can be conducted independently by each training team as time and resources permit. In a well-developed program, independent functional area training by each team will not be conducted "in a vacuum." The plan should include exercising the interfaces with other watchstanders either through simulation or role-playing. For example, during engineering casualty control exercises, the EOOW should be expected to make all required reports to the OOD, CSOOW, etc., and should be pressed for information if he or she fails to do so.

e. Exercises may be conducted in the training mode where watchstanders are relatively unfamiliar with the exercise, and training time outs may be necessary. Alternatively, exercises may be conducted in the evaluation / assessment mode where the only time outs should be for safety considerations.

3103. **Description.** Training teams should include a core group of the most knowledgeable and experienced personnel in the ship who bring enthusiasm to the training process. No particular team size is directed. The size of the crew, number of qualified personnel, complexity of the exercise, and safety requirements will influence the size of the team. In addition, some training objectives for a particular event may not require the stationing of a full training team. Ships may find it desirable to have a 2 section training team program in which a training team will be formed from one watch section to train the other and vice versa. The following training teams will be established:

a. Integrated Training Team (ITT).

b. Combat Systems Training Team (CSTT)

c. Engineering Training Team (ETT)

d. Damage Control Training Team (DCTT)

e. Seamanship Training Team (STT)

f. Aviation Training Team (ATT). (LHA/LHD/LPH/MCS/LPD only)

g. Medical Training Team (MTT). (Ships with Medical Departments headed by Medical Officers only)

3104. **Objectives.** The training teams are responsible, under their team leaders, for the identification, formulation, integration and conduct of all phases of watchstander and watch team training. They have the following responsibilities:

a. Plan, brief, conduct and debrief training using applicable instructions and publications.

b. Raise watchstander Level of Knowledge (LOK) through a program that combines evolutions, seminars, and embedded training devices, in addition to drills and exercises.

c. Assess the readiness and effectiveness of watch teams in the performance of watch station specific tasks.

d. Analyze problem areas or training deficiencies and initiate corrective actions to eliminate the possibility of personnel injury and damage to equipment.

3105. **Organization.** Individual training teams should be comprised of the following members: Team Leader, Team Coordinator, Watch station Evaluators/Trainers/Safety Observers.

3106. **Responsibilities.**

a. The Commanding Officer shall ensure that each training team is designated in writing and the personnel assigned are qualified for the watch station they are evaluating.

b. The Executive officer, as Chairman of the Planning Board for Training and Team Leader of the ITT, will coordinate the planning and execution of the ship's training team effort.

c. The Team Leader is responsible for the management of the training team. To this end, the team leader shall:

(1) Be a member of the Planning Board for Training (PB4T) and the Integrated Training Team (ITT).

(2) Formulate a training package tailored to specific integrated or individual functional area team training objectives.

(3) Identify training constraints, disclosures and simulations and annotate the training package accordingly.

(4) Present the proposed training package to the Commanding Officer for approval.

(5) Conduct a pre-brief for each training event for training team members and the watch team being trained.

(6) Ensure the training team prior to each training event conducts a safety walk-through.

(7) Supervise the conduct of the training event.

(8) Conduct the training event debrief.

(9) Establish a feedback mechanism to address deficiencies identified during exercises conducted.

(10) Identify training shortfalls and develop lessons learned.

d. The team coordinator is responsible to the team leader for:

(1) Organizing all team training periods, developing training event plans and making all preparations in support of event execution.

(2) Act as overall manager of the training team for training event briefs, performance and debriefs.

(3) Train team members in the proper conduct of their duties as drill initiators, exercise observers and safety observers, including the Operational Risk Management (ORM) process.

(4) Compile the results of the training event and submit the event evaluation sheets along with the critique sheets to the team leader for review.

(5) Act as coordinator for all recommendations and feedback concerning the training team.

e. Trainers/Evaluators/Safety Observers directly observe individual and team performance of the training event. Some may act as initiators. Various duties include: perform on-site observations and evaluations.

(1) Conduct of safety walk-through and pre-event checks.

(2) During exercises conducted in the training mode, provide training/prompting as necessary to meet the training objective.

(3) During exercises conducted in the evaluation mode, normally provide prompting only as required to prevent disruption of the event timeline or for safety reasons.

(4) Provide immediate feedback to individual watchstanders upon completion of the training event.

(5) Provide a post-exercise debrief on observations noted, lessons learned and recommendations for corrective actions.

3107. **Safety and Risk Management.**

a. General. Safety is the primary concern during all training events. If an unsafe condition exists, the training event should be stopped until a safe condition is established.

b. Risk Management. Reference (a) requires use of Operational Risk Management (ORM) in all aspects of operations, training and planning. The training team leaders are responsible for ensuring that ORM procedures are used in planning training events.

c. Safety Inspections. Pre-event walk-throughs shall be conducted prior to each training event. Safety walk-through guidelines are provided in Reference (b).

3108 . **Shipboard Training Team Course**. The Shipboard Training Team (SBTT) course is designed to primarily work with the ship's Integrated Training Team (ITT) although training modules for each training team are available. In general, the SBTT provides information on watch team training, drill guide/drill plan development, briefing/debriefing, scenario/timeline development, self-assessment, team dimensional/team building skills training and use of ATG products throughout the basic phase. Ships are encouraged to tailor the SBTT to fit their individual needs. A complete discussion of the basic phase tactical scenario book and how to use the scenario products during CART II, TSTA, CMTQ, and FEP is included in the SBTT. The course consists of over twenty modules of information, which are described in detail on the ATGLANT (www.atgl.spear.navy.mil) and ATGPAC (www.atgpac.navy.mil) Web Pages.

SECTION 2

TYCOM FORMAL SCHOOL REQUIREMENTS

Ref: (a) COMNAVSURFLANT/PACINST 3502.3 (SURFTRAMAN BULLETINS)
(b) LTA SDIEGOINST 3500.1
(c) LTA SDIEGOINST 1540.1
(d) LTA Hampton Roads 101152Z AUG 98
(e) OPNAVINST 3120.32C (Standard Ship's Organization and Regulations Manual)
(f) COMNAVSURFLANTINST 1320.1D/COMNAVSURFPACINST 1320.1D (TAD and School Quota Administration)

3201. **General**. This chapter discusses TYCOM formal school training requirements for ships, staffs, and units of the Naval Surface Forces. School graduate requirements are delineated in Appendix D.

a. Training to support NEC/NOBC requirements in unit manpower documents, class "A" schools, factory training, and approved billet specialty training (i.e. pipeline training) are not included in this manual.

(1) NEC required training is normally provided for and funded as a part of PCS orders. If personnel are received without required NEC training, a request may be made to COMNAVSURFLANT (N413C) or COMNAVSURFPAC (N4122) for funding for those schools less than 20 weeks in length.

(2) Surface Warfare Officer Billet Specialty Training (SWO BST) for officers assigned to surface ships and afloat staffs is contained in the SWO BST Requirements manual published by CNO (N86). Recommended SWO BST (officer pipeline training) changes should be submitted via the chain of command to COMNAVSURFLANT (N811) or COMNAVSURFPAC (N83).

b. Limited TADTAR resources may not permit accomplishment of all training requirements listed in Appendix D. Commanding Officers may request TADTAR augmentation to complete training requirements; however, in the event of TADTAR shortfalls, Commanding Officers must prioritized training based on individual ship needs within existing funding resources.

3202. **Formal Schools Listing**

a. Appendix D arranges courses in the following format.

(1) Course number, course title.

(2) Applicability and required graduates. These columns list the minimum graduates for each type ship/staff/unit.

(3) Notes. The notes contain specific billets, rates/ ratings, or watch stations required to attend the course.

b. Required Team Training. TYCOM formal school requirements for ships include team training requirements designed to provide basic team skill levels in watch standing, tactics, fire fighting and damage control, necessary to continue training during fleet operations. Specific team training guidance follows:

(1) Team training will be repeated once per IDTC or not-to-exceed every 30 months for ships not in the IDTC. Additionally, the Commanding Officer, during CART, will assess the ship's team training status to determine the need to repeat this training. In assessing the various teams' training status, factors to be considered include:

(a) Significant loss of team personnel which degrades team effectiveness.

(b) Loss of experienced supervisory personnel concurrent with arrival of new personnel lacking experience and unit qualifications.

(c) Unit operations that have prevented adequate opportunities to exercise the team.

(2) In the case of NSFS, if a ship has not dropped below M2, attendance at a formal team trainer is not mandatory provided there have been no personnel turnovers in any critical team billet. NSFS Team Training requirements are outlined in reference (a).

3203. **Exportable Training**. Training facilities that provide required training to Surface Force units are not available in each homeport. In many cases requiring travel to and from the school, TEMADD funds may not be available to deliver enough students to the schoolhouse for training. References (b) through (d) describe procedures for arranging mobile training teams. Appropriate references should be checked as procedures are different in each fleet.

3204. **Naval Reserve Force Units**. Formal school training requirements for NRF units are not listed separately. The required number of graduates for the appropriate ship class are to be used unless otherwise indicated in the notes for a particular school.

3205. **School Quota Management**. Each unit must establish administrative procedures to centralize school quota management, avoid duplication of quota requests, and minimize "no shows". The Training Officer, as specified on Article 303.20 of reference (e), is the one individual responsible for school quota management. Quota requests will be submitted only by designated training officers or their alternates. Units will establish centralized procedures for requesting quotas, issuing orders, arranging transportation and briefing personnel scheduled to attend schools. Procedures for requesting and administering school quotas are found in reference (f).

3206. **Damage Control and Fire Fighting Training**. This paragraph outlines minimum shipboard damage control and firefighting training for all permanently assigned personnel:

a. All afloat personnel will complete DC PQS (NAVEDTRA 43119 series, Watchstations 301 - 306) within six months of reporting aboard.

b. Personnel reporting from another ship who have already completed basic damage control PQS shall qualify on ship specific CD systems of the DC PQS (Section 200) within three months of reporting aboard.

c. All personnel shall complete emergency egress training within 96 hours of reporting aboard and every six months thereafter. This training will consist of blindfolded escape from working, berthing and watchstanding spaces. Training will also include actual activation and donning of Training Emergency Escape Breathing Device (EEBD). All personnel who are required to wear a Supplemental Emergency Escape Device (SEED) in the performance of their duties will receive SEED training in conjunction with EEBD training.

d. All personnel shall complete breathing apparatus (OBA or SCBA) refresher training within three months of reporting aboard and every six months thereafter.

e. Personnel may not be assigned to a repair party or Inport Emergency Team (IET) until they have completed DC PQS (Watchstations 301 - 306). All personnel assigned to repair party teams or IET shall complete the DC PQS applicable to their assignment within three months of team assignment. All personnel shall be f7ully qualified in all prerequisite watchstations prior to assignment to a new position on repair party teams and IET.

f. DC Team Training (DCTT) personnel shall be fully qualified for the billet they are assigned to train and complete the DCTT Members PQS (Watchstation 320).

g. Gas Free Engineering Petty Officers and Fire Marshals shall complete applicable sections of DC Watches PQS (NAVEDTRA 43119-4) and DC PQS prior to assignment.

h. Post-fire Test Assistants will be qualified as Gas Free Engineers, Gas Free engineer Assistants or Gas Free Engineering Petty Officers.

i. Departmental or Division Damage Control Petty Officers (CDPO), shall complete DCPO PQS (NAVEDTRA 43119-5), the DCPO Shipboard Training Enhancement Program (STEP) course (CIN A-495-0400), be certified by the DCA and approved by the Executive Officer prior to assignment.

j. DC maintenance personnel shall complete DC PQS (Watchstations 301 - 306), 3M Watchstation 301, the DCPO STEP course and be certified by the DCA prior to assignment.

k. Personnel assigned to shipboard duty not having received accession level Chemical, Biological and Radiological Defense (CBR-D) training may fulfill training requirements by completing onboard training by the DCA, CBR-D training specialist (NEC 4805) or senior enlisted DC training specialist (NEC 4811) and completing the appropriate DC PQS.

l. Formal school requirements are listed in Appendix D. Units are to consider these requirements as the highest shipboard training priority.

m. In addition all newly reporting personnel should receive basic shipboard survivability training as detailed in NAVEDTRA 43119-G, Section 101, at a minimum, at Shipboard Indoctrination.

3207. **Damage Control Training for Embarked Personnel.** Commanding Officers will provide basic DC instruction for Fleet Marines, other military members and contractor personnel embarked in U.S. Navy ships for a limited duration. This will include, as a minimum, emergency egress from berthing and work spaces, use of an EEBD, use of CO_2, PKP and AFFF extinguishers, fire stations, compartment numbering system, general quarters stations, abandon ship stations, man overboard stations, shipboard communications systems, emergency or casualty reporting and use of the APC system for those personnel assigned mess deck duties.

3208. **Feedback**. Recommendations for changes to TYCOM formal school requirements listed in Appendix Dare to be forwarded to COMNAVSURFLANT (N811) or COMNAVSURFPAC (N83), via the chain of command, using the format provided in Chapter 1, Section 4.

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SECTION 3

SHIPBOARD TRAINING ADMINISTRATION

Ref: (a) CINCLANTFLTINST 3541.1G/CINCPACFLTINST 3541.1B (Surface Ship Damage Control Training)
(b) COMNAVSURFLANTINST 3540.22/COMNAVSURFPACINST 3540.22 (Engineering Department Organization Manual for Non-Nuclear Steam Propulsion Ships of the Naval Surface Forces)
(c) COMNAVSURFLANTINST 5400.1E/COMNAVSURFPACINST 5400.1G (Force Regulations)
(d) OPNAVINST 3120.32C (Standard Ship's Organization and Regulations Manual)
(e) OPNAVINST 1500.22D (General Military Training)
(f) OPNAVINST 5100.23E (NAVOSH Program Manual)
(g) SECNAVINST 5510.30A (DON Personnel Security Program)
(h) SECNAVINST 5510.36 (DON Information Security Program Regulation)
(i) OPNAVINST 5530.14C (Physical Security and Loss Prevention)
(j) COMNAVSURFPACINST 3501.2G/COMNAVSURFLANTINST 3500.7D (Status of Resources and Training System (SORTS))

3301. **General**. The purpose of the shipboard training program is to organize individual and team training so as to achieve the optimal level of training readiness more efficiently and effectively at each stage of the training cycle. To achieve this objective, administration of the shipboard training program must include the following basic training elements:

a. Functional training for:

(1) Equipment/system operation.

(2) Equipment/system maintenance.

(3) Watchstander/watch station training (inport and at sea watches). Such training should include both initial qualification and proficiency training to maintain watchstander qualifications.

(4) Team training for subsystem operation and single and multiple mission area employment for the unit.

(5) Tactical training for officers and enlisted personnel.

(6) Damage control training for all hands per references (a) and (b).

b. Administrative training for:

(1) Personnel indoctrination of newly reporting individuals per references (c) and (d).

(2) General Military Training (GMT) per reference (e).

(3) Safety training per references (d) and (f) .

(4) Information and physical security training per references (g), (h), and (i).

3302. **Duties and Responsibilities**. Guidelines for establishing the unit training organization and responsibilities of individual billets are provided in reference (d). Additional billet duties and responsibilities are as follows:

a. Commanding Officer:

(1) Establish training policy.

(a) Set training goals and objectives.

(b) Set training priorities.

(2) Review departmental progress and overall attainment of training goals.

(3) Certify watchstander qualification for CDO, OOD (Underway), TAO and EOOW.

b. Executive Officer:

(1) Develop and implement training system audit program.

(2) Act as Integrated Training Team (ITT) Leader.

(3) Act as Damage Control Team (DCTT) Leader.

c. Senior Watch Officer:

(1) Manage officer training program.

(2) Manage bridge and quarterdeck watch team training program.

d. Training Officer:

(1) Train supervisors in mechanics of running departmental and divisional training.

(2) Report status of training as per reference (j) (SORTS).

(3) Maintain liaison with ATG TLO and advise PBFT on training assets available.

e. Department Heads:

(1) Maintain a list of departmental training events required by higher authority (a computer training database or updated ship's TRMS file should fulfill this requirement).

(2) Maintain record of required school graduates and assign timely reliefs for schooling.

3303. **Personnel Qualification Programs**. As prescribed in reference (d), accomplishment of Personnel Qualification Standards (PQS) for assigned duties, watch stations, 3-M, and General Damage Control is the minimum acceptable level of individual training within the Surface Forces. Satisfactory progress in PQS is a mandatory requirement for obtaining the Commanding Officer'srecommendation for advancement in rate.

3304. **Training Records**. Shipboard training records should serve the following functions:

a. Assist in the planning of meaningful and productive lectures, seminars, examinations, drills, evolutions and exercises.

b. Provide feedback to the chain of command on the quality of training conducted.

c. Minimize repetition of errors in drills, exercises, and evolutions.

d. Periodically monitor individual and team performance in drills or observed evolutions.

e. Provide information that can be meaningfully reviewed to evaluate command training methodology.

3304. **Required Schools Master List**. The training officer should develop and maintain a consolidated Required Schools Master List. This listing should include all the "school-house" course requirements necessary to meet the ship's Navy Officer Billet Code (NOBC) and Navy Enlisted Classification (NEC) requirements as well as the Type Commander's required schools list in Appendix D. Additionally, the master list should include on-board school graduates, their respective PRDs, and prospective gains. From this consolidated listing of required schools the Commanding Officer can readily identify existing and projected shortfalls and initiate timely remedial actions.

3305. **Training Record Administration and Retention.** Chapter 8 of reference (d) contains some examples of administrative forms, and individual supervisors may develop their own personal management tools, but it is recommended that the number of forms and documents be kept to an absolute minimum. The records required by this instruction will suffice in all but the most unusual circumstances. Only training records and plans used for the current training cycle need be retained. The only records required by the Type Commander are:

a. Long Range Training Plan - at least one for the command.

b. Required Schools List - best included as part of the LRTP.

c. Short Range Training Schedule - at least one per command, but most departments will probably need to issue their own.

d. Record of Drills, Completed Training and Supervised Evolution. Records must be kept on the date and nature of operational training afforded each watch team.

e. Approved Drill Plans. Drill plans, approved by the Commanding Officer, should be annotated to the degree the training was accomplished

f. Training Critiques. Critiques of training events will be forwarded via the chain of command to Commanding Officer. If the training is a TRMS reportable exercise, submit input to the ship’s TRNGREP (Chapter 5, Section 2) in accordance with internal procedures.

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CHAPTER 4

UNIT COMPETITIONS

SECTION 1

BATTLE EFFICIENCY AND COMMAND EXCELLENCE AWARDS

Ref: (a) CINCLANTFLTINST 3590.11F/CINCPACFLTINST 3590.4G (Battle Efficiency Competition, Trophies and Awards)
(b) OPNAVINST C3501.2J (Naval Warfare Mission Areas and Required Operational Capability/Projected Operational Environment (ROC/POE) Statements)
(c) COMNAVSURFLANT/COMNASURFPACINST 3540.12 (E-Qual)
(d) NTP-13 (Flags, Pennants and Customs)

4101. **Introduction**. The Battle Efficiency Award recognizes sustained superior performance in an operational environment. Eligibility for this award demands day-to-day demonstrated excellence in addition to superior achievement during certifications and qualifications conducted throughout the competitive period. Qualification for the Battle Efficiency Award is governed by the general rules in reference (a). The ISIC has the responsibility and authority to select the Battle "E" winner(s) from among the ships in a squadron or group. The ISIC may recommend waivers of the specific requirements listed in paragraph 4102, including justification for those waivers in the selection package to the Type Commander. Since the Battle Efficiency Award is a competitive award which recognizes the best ship in an organization, waiver requests should be limited to very unusual circumstances.

4102. **Minimum Qualifications for Battle Efficiency Award**. The ISIC shall use demonstrated sustained superior performance and operational proficiency as the primary considerations in selecting a ship for the Battle Efficiency Award. The ship that consistently performs well across the board will typically be competitive for the award of the Battle "E". With this in mind, ISICs should consider the entire range of a ship's operations, both inport and underway, in selecting a Battle "E" winner. The ISIC shall take into consideration the guidelines listed below.

a. Unit must be a commissioned ship, or a MCM rotational crew assigned to a commissioned ship, for 50% or more of the award cycle. Newly commissioned ships will not be eligible to compete for the Battle Efficiency Award or Command Excellence Awards until they have completed all predeployment certifications and inspections.

b. Unit must earn a minimum of three of the four command excellence awards.

c. A unit's failure to demonstrate the ability and readiness to effectively perform its primary missions in an operational environment shall be disqualifying for that cycle.

d. Failure or poor performance in a major qualification or certification will be disqualifying for both the Battle Efficiency Award and the associated Command Excellence Awards. An unsatisfactory certification or qualification that requires re-certification or re-qualification will be disqualifying for that competitive cycle only. Once a ship is re-certified or re-qualified, the ship becomes eligible for the subsequent competitive cycle. In the case of a ship which fails to meet minimum standards in a particular command excellence award during the competitive cycle, that ship may, in order to avoid ineligibility in the subsequent cycle, request reassessment of the problem area by competent authority during the subsequent cycle. ISICs will take such reassessments into consideration.

e. Maintain currency in all qualifications and certifications.

f. Have demonstrated a high level of safety awareness in all phases of shipboard operations. Class A mishaps caused by the ship's negligence will normally be disqualifying for the Battle "E" and associated

Command Excellence Awards. Accidents or safety incidents of a less serious nature will be evaluated on a case by case basis by the ISIC and may result in disqualification for one or more awards.

4103. **Command Excellence Awards**. All eligible ships meeting the required standards may be selected for the applicable command excellence award. ISICs should consider the quality and intensity of ships' operations and material readiness in selecting awardees. Performance in primary mission areas during intermediate/advance training and while deployed will be carefully considered as well. The ISIC may recommend waivers of the specific requirements listed in paragraph 4104 through 4107, including justification for those waivers in the selection package to the Type Commander; however, as in the case of the Battle Efficiency Award, waiver requests should only be requested in unusual circumstances. Newly commissioned ships will not be able to compete for a Command Excellence Award until they have completed all predeployment certifications and inspections related to that award. The four command excellence award descriptions follow in para 4104 to 4107.

4104. **Maritime Warfare (Power Projection/Sea Control) Excellence Award**

a. The objective is to recognize sustained superior performance and readiness to conduct a ship's prescribed primary military missions as defined in reference (b).

b. Failure to obtain/maintain the following minimum criteria will preclude a ship from consideration for this award:

(1) Live Weapon Firing Exercises.

(a) Any weapons firing failure not related to ordnance (missile, torpedo, etc.) or target failure will disqualify a unit for this award.

(b) Modifications to required exercise target profiles, target characteristics, numbers of rounds expended, engagement envelopes or type ordnance expended are not authorized except as approved by TYCOM. Failure to obtain prior TYCOM authorization for an exercise modification may result in award disqualification.

(c) Missile and torpedo live firings shall be conducted so as to maintain exercise currency at M-2 level or above.

(d) Ships with a TYCOM directed reduced training package will not be penalized in award competition because the full range of normally required exercises, including live fire events, has not been included.

(2) The Cruise Missile Tactical Qualification must remain current for the ship’s position in the inter-deployment training cycle.

(3) NSFS qualification must remain current for the ship’s position in the inter-deployment training cycle and must be completed with an average numerical grade of 95% or above**.**

(4) Aviation Certification and Aviation Readiness Evaluation must be current for the ship’s position in the inter-deployment cycle.

(5) If the Final Evaluation Period (FEP) is conducted during the cycle, it must be satisfactorily completed, i e., the ship is evaluated by the ISIC as ready to proceed to intermediate /advanced phase operations.

(6) For LHA, and LHD ships**,** the ship must demonstrate the capability to effectively support the airwing when embarked.

(7) Combat Logistics Force ships must have satisfactorily completed the last scheduled UNREP Ship Qualification Trial (SQTs).

(8) An inadvertent/accidental weapons firing, preventable ordnance handling accident, or a reportable mishap will normally disqualify ships from award consideration.

4105. **Engineering/Survivability Excellence Award**

a. The objective is to recognize sustained superior performance in shipboard evolutions relating to main propulsion and damage control. Engineering performance while deployed or during conduct of major exercises/operations shall be a significant factor in this award.

b. Failure to obtain/maintain the following minimum criteria will preclude a ship from consideration for this award:

(1) Engineering Qualification must be successfully completed in accordance with criteria outlined in reference (c).

(2) No more than one safety program (Electrical Safety, Tag Out, Hearing Conservation or Heat Stress) may be assessed as "not effective" during the awards cycle.

(3) Satisfactory performance must be demonstrated in the total ship survivability exercise or major conflagration exercise conducted during the basic phase certifications.

(4) Material self-assessment and self-sufficiency, including contributions to BFIMA/ARGIMA, will be taken into account.

4106. **Command and Control Excellence Award**

a. The objective is to recognize sustained superior performance in shipboard operations relating to matters of command, control and communications, intelligence, electronic warfare, cryptologic employment as applicable, navigation, and seamanship. The ability to communicate effectively in an operational environment is important, and should receive significant consideration by the ISIC.

b. Failure to obtain/maintain the following minimum criteria will preclude a ship from consideration for this award:

(1) CMS Inspection must be graded "Satisfactory".

(2) No loss of CMS material, loss of CMS accountability or CMS/COMSEC incident which is determined to result in a compromise or compromise cannot be ruled out. This includes classified computer systems and materials.

(3) Satisfactory completion of the Communications Readiness Certification (CRC) is required every two years based on the Inter-Deployment Training Cycle (IDTC). A ship may be declared "in periodicity" if the CRC was successfully completed the previous year. If desired, a ship may conduct another CRC or Comprehensive Communications Assessment (CCC-19-SF) during the follow on battle "E" cycle. A minimum score of 85% is required on the CCC-19-SF to maintain eligibility for the award.

(4) Any security violation evaluated by the ISIC to be serious in nature shall result in disqualification.

(5) No grounding or collision attributable to deficiencies in the ship's performance.

(6) The successful completion of the Live Chaff firing event C2W-11-SF

(7) Satisfactory completion of the EW Assessment Exam (C2W-14-SF) facilitated by the Afloat Training Group (ATG) is required every two years based on the Inter-Deployment Training Cycle (IDTC). A

ship may be declared “in periodicity” if the Assessment Exam was successfully completed the previous year. The ship/ISIC are responsible for scheduling the EW Assessment exam. A ship can take the exam a maximum of three times during the cycle to achieve the minimum score. The ships average is the highest of the three exams. All EW’s/CTT’s assigned to the ship must take the exam with the exception of anyone assigned to FSA (can participate if desired). The test questions are derived from the EW rating bibliographies and tactical publications relating to C2W/EW. A minimum shipboard EW average on the EW Assessment of 70% is required to maintain eligibility for the Command and control Award in the Battle E cycle.

(8) An inadvertent/accidental decoy firing, an preventable ordnance handling accident, or a reportable mishap will normally disqualify a ship from award consideration.

(9) When conducting a valid C2W exercise calling for Electronic Attack, a ship must respond with Electronic Attack (EA) when ordered. A ship failing do so for any reason other than safety will normally be disqualified from award consideration.

4107. **Supply Management Excellence Award**

a. The objective to recognize excellence in management of material, financial, and personnel resources.

b. Failure to obtain/maintain the following minimum criteria will preclude a ship from consideration for this award:

(1) The Supply Management Inspection (SMI) must be graded "Good" (Score of 85%) or above in all mission areas (General Stores, Food Service, and Retail Operations).

(2) If a surprise disbursing audit is conducted during the cycle, the audit must be graded Satisfactory" with no reportable loss of accountability.

(3) Eligibility for the Supply Management Excellence Award may be revoked in the event of a loss in accountability during a competitive cycle. A loss of accountability may be defined as a disproportionate loss or gain in the ship's store operation; excessive over issue (stores consumed exceeds monetary allowance by two percent or greater) in the food service operation at the end of the fiscal year, upon disestablishment, or relief of the food service officer; DLR survey actions and/or carcass charges in excess of 7 percent of DLR obligations during the prior and current fiscal year, or any loss of funds or inventory attributable to poor management practices or failure to follow established procedures.

c. Logistics performance during intermediate/advanced training and while deployed will be carefully considered as well. Where appropriate, operational performance in such areas as MATCONOFF, BFIMA/ARGIMA, and Progressive Repair shall be considered.

4108. **Period of Competition**

a. The Battle Efficiency and command excellence awards are based on a 12-month cycle.

b. If a ship has been unable to operate for six or more consecutive months due to a major maintenance availability or if the ship has had no opportunity to demonstrate its ability and readiness to perform effectively its primary missions in an operational environment, the ship may request exemption from the ISIC for the Battle Efficiency Award or for one or more command excellence awards for that cycle. If that ship subsequently wins the Battle "E" or a command excellence award in the cycle immediately following exemption, consecutive award stripes earned before the exempt cycle will be retained. However, after the announcement of awards is made for a cycle in which the ship did not compete, she will not display previously earned awards in the categories for which she was exempt until and unless she earns those awards during the next competitive period.

4109. **Nomination Procedure**

a. 30 to 60 days before the end of the competitive cycle, TYCOM will solicit award inputs from Squadron and Group Commanders. The solicitation message will contain the number of Battle "E" awards that ISICs are authorized to award.

b. ISIC selection letters shall be received by the TYCOM no later than 31 January. Battle Efficiency and command excellence awards letter format will be in accordance with Figure 4-1-1. Elaborate award packages are not desired.

c. Upon receipt of all selection letters and evaluation of waiver requests, the TYCOM will promulgate a message announcing the winners. The TYCOM retains ultimate awarding authority.

4110. **Display of Awards**

a. Period of Display. Battle "E" Awards are to be displayed from the time of announcement of the award until announcement of the next cycle's awards.

b. Battle Efficiency Plaques. The Battle "E" Award plaques are for permanent retention and display.

c. Display of Awards. Awards shall be displayed in accordance with Figure 4-1-2. The order of display of awards from forward to aft will be Battle "E", Maritime Warfare "E", Engineering/Survivability "E", Command and Control "E", and Logistics Management "E". FFG-7 class ships will display Command Excellence awards below the Battle "E" in recognition of the limited space available.

d. Display of Awards by MCM Rotational Crews. MCM rotational crews shall display those awards the crew has earned on the MCM hull in which they are currently embarked. When the "E" crew leaves, awards are painted over.

AWARD	METHOD OF DISPLAY
BATTLE "E" AWARD White formula 6 and black formula 48 class:	Center of bridge bulwark, forward, port and starboard or in general vicinity of painted campaign ribbons. (For FFG 7 Immediately below the sidelights.)
MARITIME WARFARE EXCELLENCE AWARD BLACK "E" Black formula 48	Port and starboard side of bridge bulwark aft of the Battle "E".
ENGINEERING/SURVIVABILITY EXCELLENCE AWARD RED "E" Red formula 40	Port and starboard side of bridge bulwark aft of the Battle "E".
COMMAND & CONTROL EXCELLENCE AWARD GREEN "E" Green formula 39	Port and starboard side of bridge bulwark aft of the Battle "E".
LOGISTICS MANAGEMENT EXCELLENCE AWARD BLUE "E" Blue formula 43	Port and starboard side of bridge bulwark aft of the Battle "E".

e. Consecutive Awards. Service stripes the same color as the related award color is added for additional awards earned in consecutive years. Instead of the letter and four service stripes for winning the award five consecutive times, in the case of the Battle "E", a gold "E" shall be displayed with a silver star above the "E". In the case of the command excellence awards, an "E" and a star of the same color will be shown for the fifth consecutive award, replacing the service stripes. Another star shall be added for each five successive annual awards.

f. The Battle Efficiency Pennant shall be displayed in accordance with reference (d) from announcement of the award until the next competitive cycle's winner is announced.

SAMPLE BATTLE EFFICIENCY COMPETITION REPORT

From: ISIC (Administrative Title)
To: Type Commander

Subj: SELECTIONS FOR BATTLE EFFICIENCY AND COMMAND EXCELLENCE AWARDS

Ref: (a) COMNAVSURFLANT/COMNAVSURFPACINST 3502.2E (SURFTRAMAN)

1. In accordance with reference (a), the following ships assigned to (group/squadron) is/are selected for Battle Efficiency and command excellence awards for the competitive cycle ending _____.

2. The ships selected have demonstrated the highest level of excellence in their day-to-day performance throughout the competitive cycle and are certified to have satisfactorily met the guidelines set forth in reference (a) *(except as indicated below).*

a. For the Battle Efficiency Award: USS _____.

b. For Maritime Warfare (Power Projection/Sea Control) Excellence: USS _____, USS _____, and USS _____. *(as required by number of awards)*

c. For Engineering/Survivability Excellence: USS _____, USS _____, and USS _____. *(as required by number of awards)*

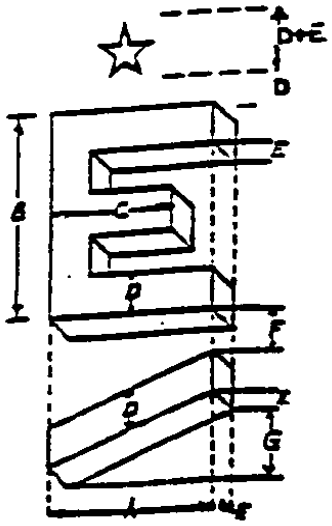
d. For Command and Control Excellence: USS _____, USS _____, and USS _____. *(as required by number of awards)*

e. For Logistics Management Excellence: USS _____, USS _____, and USS _____. *(as required by number of awards)*

3. *(If required)* The following waivers to award criteria are recommended:

_____
(Signature)

Figure 4-1-1



BATTLE EFFICIENCY AWARDS

	A	B	C	D	E	F	G
AOE, AGF, CG, JCC, LCC, LHA, LHD, MCS, LPD, LSD	24	30	15	6	4	3	2
FFG, MCM, MHC, ARS	16	20	8	4	2.5	2	1.4
ALL OTHERS	20	25	10	5	3	2.5	1.6

COMMAND EXCELLENCE AWARDS

	A	B	C	D	E	F	G
AOE, AGF, CG, JCC, LCC, LHA, LHD, MCS, LPD, LSD	20	25	10	5	N/A	2.5	1.6
ALL OTHERS	12	15	6	3	N/A	1.5	1.2

Figure 4-1-2

SECTION 2

FLEET AWARDS AND TROPHIES

Ref: (a) OPNAVINST 3590.11E (The Arleigh Burke Fleet Trophy/Marjorie Sterrett Battleship Award/USS Arizona Memorial Trophy)
(b) CINCLANTFLTINST 3590.11F/CINCPACFLTINST 3590.4G (Battle Efficiency Competition, Trophies and Awards)
(c) OPNAVINST 3590.16C (The James F. Chezek Memorial Gunnery Award)
(d) OPNAVINST 3590.24C (CNO Surface Ships Safety Awards Program)
(e) NAVSEA 59086-UD-STMQ00-CH631 (Preservation of Ships in Service)
(f) OPNAVINST 1650.24B (CNO Aviation-Related Awards)
(g) OPNAVINST 3590.18E (Annual Ship-Helicopter Safety Awards)
(h) OPNAVINST 4100.7A (SECNAV Energy Conservation Awards Program)
(i) OPNAVINST 5090.1B (Environmental and Natural Resources Program)
(j) COMNAVSURFLANT/PACINST 6100.1 (Force Commander Annual Wellness Unit Award)
(k) OPNAVINST 5305.8 (Admiral Stan Arthur Awards for Logistics Excellence)

4201. **General**

a. In addition to the Battle Efficiency and Command Excellence Awards, certain other awards related to readiness and training are presented to ships of the Naval Surface Forces. These awards are described in paragraphs 4102-4218.

4202. **Battenberg Cup Award**. (NAVSURFLANT only.) The Battenberg Cup is presented to the Battle Efficiency "E" winner, ship or submarine, which is selected as the best all around ship of the Fleet based on crew achievements. Nominations shall include substantiating rationale according to reference (a), and shall not exceed two pages. ISICs shall provide nominations to their TYCOM no later than 15 January.

4203. **Spokane Trophy**. (NAVSURFPAC only.) The Spokane Trophy is awarded by CINCPACFLT on a cycle basis to the surface combatant ship considered to be the most proficient in overall combat systems readiness and warfare operations. The nomination will be submitted by the TYCOM based on the recommendations of the ISIC. Because the award is to recognize demonstrated ability to fully conduct, on a sustained basis, simultaneous and coordinated AW, SUW and USW operations with all installed equipments, no check- off list of particular criteria is appropriate nor can a ship explicitly work for nomination for the award other than by routinely striving for the highest levels of combat systems training and material excellence. Nominations will be solicited from the ISIC each competitive period by separate correspondence and forwarded to CINCPACFLT.

4204. **The Arleigh Burke Fleet Trophy**. An annual award to the ship or aviation squadron that has achieved the greatest improvement during the preceding year. The trophy plaque awarded is kept permanently by the recipient. ISICs forward nominations for the Arleigh Burke Fleet Trophy to reach TYCOMs not later than 15 January of each year. A sample nomination letter is provided in Figure 5-2-1. The nomination letter shall not exceed two pages in length. A TYCOM nominee will be selected and further nominated to CINCLANTFLT/CINCPACFLT by 10 February for the respective Fleet Award. Fleet CINCs will select annually the ship or aircraft squadron winning the award and will present the trophy on behalf of CNO.

4205. **The Marjorie Sterrett Battleship Fund Award**. An annual award assigned to a selected type command in both the Atlantic and Pacific Fleets. The award is in the form of a monetary contribution to the unit's recreation fund. References (a) and (b) pertain. Eligibility for the award is based on the readiness and fitness of the ship as an integrated unit.

a. The award currently rotates among TYCOMS according to the following schedule:

(1) COMSUBLANT/COMSUBPAC	2001
(2) COMNAVSURFLANT/PAC (CRUDES)	2002
(3) COMNAVSURFLANT/PAC (AMW)	2003
(4) COMNAVAIRLANT/PAC	2004
(5) COMNAVSURFLANT/PAC (CLF)	2005

b. In those years in which COMNAVSURFLANT and COMNAVSURFPAC are designated as the type commander to nominate a ship for thisaward, the nominee will be the ship with the strongest record in the Battle "E" award program. Although this is the dominant factor, other evidence of overall readiness will be considered, such as outstanding participation in contingency operations (disaster relief or evacuation of U.S. citizens, etc.). Nominations from ISICs based on actions of this type are invited. TYCOMs will request nominations for this award by message and forward the name of the their nominee to CINCLANTFLT/CINCPACFLT by 10 February. Nominations shall not exceed one page in length. Fleet CINCs will select annually the ship winning the award from the specified TYCOM after the end of the calendar year and will present the award at an appropriate ceremony on behalf of CNO. CNO will announce the winner of the award, will certify to the trustee of the fund the names of the ships selected, and request available funds be equally distributed to the commanding officer of each winning ship through the cognizant Type Commander.

4206. **The USS Arizona Memorial Trophy**. The USS Arizona Memorial Trophy, established by reference (a), will be awarded to the ship having demonstrated the greatest combat readiness in strike warfare, surface fire support, and anti-surface warfare during a two-year competitive cycle commencing 1 January 1995. Nominations to CNO (OP 312) are required from the Fleet CINCs within 90 days after the conclusion of the competitive period. TYCOMs will forward nominations not later than 1 March. Nominations shall not exceed two pages in length. CNO will select and announce the winner by message. Following the award announcement, CNO will advise the Chairperson of the USS Arizona Memorial Trophy committee by letter of the recipient of the award, along with pertinent selection criteria. The winner's ISIC will conduct an appropriate ceremony and presentation. The ISIC of each subsequent winner will contact the unit on which the award resides to arrange for transshipment. All recipients of this award will, in addition, receive a miniature facsimile award for permanent retention aboard. Nominations to COMNAVSURFLANT or COMNAVSURFPAC are due by 15 January.

4207. **The James F. Chezek Memorial Gunnery Award**. This award was established by reference (c) and is given at the end of each fiscal year to one ship of the Naval Surface Forces for excellence in naval gunfire support. The recipient of this award will alternate between COMNAVSURFPAC and COMNAVSURFLANT. COMNAVSURFPAC receives the award each odd-numbered fiscal year. The award will be presented to that ship which achieves the highest numerical grade average in those exercises required for NSFS qualification (AMW exercise series. The following criteria will govern the award selection process:

a. Only those exercises that are conducted at a range of 7500 yards or greater on a certified NSFS range, are graded by outside observers, and have a final exercise grade issued by TYCOM, will count toward this award.

b. When any entire FIREX is conducted for score more than once during the fiscal year, the highest score attained will be credited toward this award except where any firing during the year results in an overall unsatisfactory score and subsequent loss of NSFS qualification. Major safety violations that occur during any gun shoot (air, surface, or NSFS) during the award period may disqualify a ship from consideration.

c. In case of a tie between two or more ships during an award year, TYCOM will select a winner after receiving all available data on surface and anti-air gunnery exercises.

d. When a ship is selected for receipt of the award, the commanding officer will be notified by TYCOM and requested to provide a list of personnel to receive equal shares of the prize money. Upon receipt, TYCOM will forward the names of individuals with current address to the Assistant for Administration, Office of the Under Secretary of the Navy, Washington, DC so that award checks may be forwarded for presentation in a suitable manner.

4208. **Admiral Alfred M. Pride Frigate ASW Readiness Award**. This award is presented annually on a fiscal year basis by the Naval Reserve Association to the NRF frigate with the best ASW readiness. The winner is awarded a plaque for permanent custody and retains a trophy until the results of the next competition are announced. Presentation is normally made at the annual Naval Reserve Association convention. Nominations not exceeding two pages in length should be made through the ISIC to reach TYCOM not later than 15 September.

4209. **Awards Sponsored by the Association of Old Crows (AOC)**. Each year the AOC presents awards to dedicated individuals and units in recognition of their outstanding contributions and achievements in Electronic Warfare. The AOC selects all individual award winners. CNO designates the unit award recipients. Commands desiring to submit nominations for AOC awards should provide all required information to TYCOM via the parent administrative commander by 15 March. Awards and submission format will be promulgated annually by TYCOM sufficiently in advance to permit preparation of nomination packages.

4210. **TYCOM Ship Safety Awards**. The TYCOM Ship Safety Award Program applies to all surface ships operating under the control of COMNAVSURFLANT and COMNAVSURFPAC and is intended to increase emphasis on shipboard safety and safety programs at the shipboard level. Awards are presented on a calendar year cycle basis to recognize excellence in surface ship safety. All eligible nominees can receive the award.

a. In addition to an outstanding safety record, ships nominated must have aggressive safety programs and must achieve the following eligibility criteria:

(1) Meet minimum requirements of reference (d).

(2) A formal Navy Safety Center Survey conducted during the past three years.

(3) Safety Officer is a graduate of the Afloat Safety Officer Course.

(4) A formal shipwide safety standdown conducted during the competitive cycle.

(5) Shipboard occupational safety and health (NAVOSH) program in effect and operating including a viable hazardous material/ hazardous waste program as described in reference (d).

(6) Timely submittal of mishap reports and lessons learned.

(7) Involved safety committee.

(8) No grades of "Not Effective" during any assessment conducted during the awards cycle in the areas of electrical safety, tag out program, heat stress, or hearing conservation.

(9) No unsatisfactory grade for ordnance handling during SESI, Harpoon Material Certification or Tomahawk Material Certification.

(10) Motor vehicle/motorcycle training program.

(11) Personal protective equipment program with emphasis on EEBD, OBA and emergency egress training.

b. A list of nominated ships will be submitted by ISIC via the administrative chain of command to arrive at TYCOM no later than 31 December. Nominations will include ISIC certification that minimum award criteria have been met. Detailed award justification is not required. Nomination is limited to one page.

c. Selection for the TYCOMs' Safety Award is a prerequisite to nomination for the CNO Surface Ship Safety Award Program as described in reference (d) and Article 5210.

d. Awards will be announced by numbered ALNAVSURFLANT/PAC message. Ships selected to receive the TYCOM Ship Safety Award are authorized to display the Surface Ship Safety Award Pennant shown in Figure 5-2-2. Period of display will be from the date of the announcement message until promulgation of the succeeding year's list of recipients.

4211. **Chief of Naval Operations Surface Ship Safety Awards**. The Chief of Naval Operations Surface Ship Safety Awards Program is applicable to all surface ships operating under the control of COMNAVSURFLANT and COMNAVSURFPAC and competition will be conducted in accordance with reference (d). Awards are presented on the competitive cycle basis to recognize outstanding contributions to Fleet readiness, increased morale and efficient, economical use of resources through safety.

a. The awards are presented in the following categories:

(1) Cruiser.

(2) Destroyer.

(3) Frigate.

(4) Amphibious Warfare (large) (LHA, JCC/LCC, LHD, LPD, AGF).

(5) Amphibious Warfare (medium/small) (LSD, LST).

(6) Combat Logistics (large) (AOE).

(7) Salvage Rescue (ARS)

b. Navy-wide awards are offered in the floating drydock category on a separate 12-month competitive cycle.

c. ISICs will submit a single nomination for their best eligible ship in each category to TYCOMs via the chain of command at the end of each competitive cycle. Nominations are due to TYCOMs 31January.

d. Nomination package size is limited to 2 pages.

e. The green safety "S" shall be displayed per reference (d) and Section 9, reference (e).

4212. **Admiral Flatley Memorial Award**. The Admiral Flatley Memorial Award is presented annually by CNO to two CVs and one LHA/LHD class ship. This aviation safety award covers a one-year period and is based on a comprehensive evaluation of contributions to aviation safety. Reference (f) issues the governing policy and detailed procedures involved in selecting the recipients. Final nominations are submitted via the chain of command to NAVSAFECEN before 15 January.

4213. **Annual Ship-Helicopter Safety Awards.** Annual awards established by reference (f) and given to one LANTFLT and one PACFLT LAMPS MK III, and CLF ship in recognition of outstanding contribution to the ship-helicopter safety program. In addition to an outstanding safety record, ships selected must have aggressive safety programs that contribute new ideas to accident prevention.

a. Award Description. The award will consist of the temporary custody of the annual Ship-Helicopter Safety Award plaque, permanent custody of a replica of the trophy, and a citation by CNO. The trophy will be presented annually by CNO or a designated representative and will remain in the custody of the winning ship for the duration of the subsequent award period.

b. Selection Criteria. The awards will be based upon a comprehensive evaluation by the Commander, Naval Safety Center, of:

(1) Embarked aircraft mishaps versus flight hours.

(2) Contribution to ship-helicopter safety.

(3) The type commander's appraisal of the ship's performance relative to other ships nominated.

c. Eligibility. All CLF ships configured for vertical replenishment operations and LAMPS ships that operated with helicopters embarked during the award year will be eligible for award consideration.

d. Action

(1) Ships will ensure that Commander, Naval Safety Center is an information addressee on all accident prevention or safety related correspondence and may initiate nominations per reference (g).

(2) TYCOMs will forward by letter all nominations with a ranking/evaluation of eligible ships to COMNAVSAFCEN before 15 February.

4214. **Junior Officer Award for Excellence in Shiphandling Competition**

a. The Junior Officer Shiphandling Competition Program will be conducted annually with the selection process continuing throughout each calendar year. Each group/squadron will comprise a competitive grouping. The ISIC will forward nominations to the type commander through the chain of command. Those NRF ships in which Selected Reserve (SELRES) officers regularly serve may additionally nominate a SELRES officer for the JO Shiphandling Award using the same criteria for evaluation and selection, and the same administrative procedures as are used in the nomination of active duty officers. This nomination is in addition to the nomination made for active duty officers and is to be submitted concurrently with other nominations according to the provisions of this instruction.

b. All officers on duty afloat in the grade of lieutenant commander and below, except commanding officers and lieutenant commanders serving as executive officers, are eligible. Also, officers of the Selected Reserve serving in NRF ships, in the grade of lieutenant commander and below, are eligible for nomination for a separate award. Executive officers in the grade of lieutenant or junior may participate. Officers will be eligible for only one award while serving at a single duty station. By 15 December, the ISIC will select and nominate, by message, one active duty officer, and as applicable, one SELRES officer as the winner(s) of the shiphandling award within the group or squadron. The type commander will review each recommendation and award letters of commendation to the winners.

c. Figure 4-2-3 shall be used as a guide to assure conformity to the maximum extent possible and applicable, recognizing the capabilities/missions of the various ship classes. This form shall not be submitted as part of nomination package.

4215. **Secretary of the Navy Energy Conservation Award Program**.
The Secretary of the Navy Energy Conservation Award Program is an annual award presented by the Secretary of the Navy to Navy units and activities in seven award categories. These categories are:

a. Ships (crew of 400 or more).

b. Ships (crew of less than 400).

c. Aviation squadrons.

d. Shore activities with 500 or more full-time employees.

e. Shore activities with less than 500 full-time employees.

f. Industrial activities.

g. Navy units in SNDL, Part I, other than ships and aviation squadrons.

NOTE: The award is given to promote excellence in energy conservation and energy management within the Department of the Navy. The award recognizes outstanding leadership in energy management, innovations in the improvement of energy efficient equipment and energy conserving approaches to training, daily operations, housekeeping and maintenance. Nominations will be solicited by CINCLANTFLT/CINCPACFLT annually to support a due date to OPNAV not later than 15 February. Further details are provided in references (h) and (i).

4216. **Secretary of the Navy Environmental Protection Award**. The Secretary of the Navy Environmental Protection Award is an annual award presented by the Secretary of the Navy to the Navy ship showing the greatest initiative toward operating in an environmentally acceptable manner. The award is given to stimulate outstanding performance in the pursuit of enhancing and protecting the environment. Nominations are required by 15 November. Selection is based on criteria in reference (i).

4217. **Force Commander Annual Wellness Unit Award.** The Force Commander Annual Wellness Unit Award is an annual award presented by the Type Commander to Navy units in recognition of excellence in establishing and promoting a command climate conducive to wellness and health promotion. Specific details are provided in reference (j).

4218. **Homer W. Carhart Damage Control/Firefighting Award.** The Homer W. Carhart Damage Control/Firefighting Award is presented annually by CNO to a Navy Department sailor or civilian who most exemplifies professional standards and concern for shipboard safety and survivability based on one or more of the following criteria:

a. Displays meritorious or heroic performance in the Control of, or recovery from, an afloat casualty involving explosion, fire, flooding or collision.

b. Develops or implements formal recommendations regarding equipment, doctrine, tactics, or training.

c. Authors damage control, firefighting, safety or survivability articles for publication in navy media.

d. Submits beneficial suggestions to improve safety of life at sea for implementation by the department of the Navy.

e. Demonstrates noteworthy efforts to develop naval ship damage control and fire safety standards.

f. Participates in demonstrations, tests or evaluations to expedite improvements to ship safety and survivability.

g. Performs safety and survivability related duties with exemplary professionalism for a sustained period.

TYCOM messages will solicit nominations for this award annually, usually in September.

4219. **Superior Surface Warfare Programs Recognition.** In order to provide recognition to ships with superior officer and enlisted warfare specialty qualification programs, they are authorized to fly distinctive pennants as follows:

a. Silver Surface Warfare Excellence Pennant . Ships with all E-5 through E-9 sailors who have been assigned on board for over 18 months and who are ESWS qualified, will be eligible to fly the Silver Surface Warfare Excellence Pennant. For determining eligibility, PO3s who advance to PO2 will start the 18-month count from the day of advancement rather than their reporting date.

b. Gold Surface Warfare Excellence Pennant. Ships with all surface warfare officers who have been assigned on board for over 18 months and who are SWO qualified, will be eligible to fly the Gold Surface Warfare Excellence Pennant. For determining eligibility, staff corps officers with community specific SWO programs; e.g., Medical, Dental and Supply SWO programs, will be included in the calculation.

c. Procedures.

(1) When a ship meets the requirements to fly either of the above pennants, the CO will notify the ISIC that all requirements have been met. The ISIC will validate the data and present the appropriate pennant to the ship.

(2) Ships will remain eligible to fly the pennant(s) as long as the eligibility criteria are met. When eligibility ceases, the ship will notify the ISIC and cease to display the pennant(s).

(3) When ships regain eligibility, the ISIC will be notified and authorization to commence display received prior to flying the pennant(s) again. The ship will procure subsequent and replacement pennants after initial presentation.

d. Display. The Gold and Silver Surface Warfare Pennants will be flown from the main mast below other award pennants. When the ship is eligible to display both pennants, the Gold Pennant will be displayed above the Silver.

4220. **Admiral Stan Arthur Awards for Logistics Excellence**. This award recognizes the Civilian Logistician, the Military Logistician, and the Logistics Team of the Year with annual awards that consist of personalized plaques and cash awards. Ships and staffs that feel they have a candidate who meets the criteria contained in reference (k), should submit a nomination package to the appropriate Force Supply Officer in January following the year of service on which the award is based.

4221. **Intelligence Excellence Award** (NAVSURFLANT only). The Intelligence Excellence Award is an annual award that recognizes ships demonstrating superior intelligence performance, encourages intelligence reporting, recognizes innovative methods of intelligence to the commander, and strengthens the operator-intelligence relationship at sea. The award honors the unit’s entire intelligence team (to include USMC, CT, EW, lookouts, etc).

a. Administrative Authority: COMNAVSURFLANT N2 is the administrative authority for the Intelligence Excellence Award program for COMNAVSURFLANT units noted in paragraph b. However, COMINEWARCOM will be administrative and awarding authority for COMINEWARCOM Collateral Duty Intelligence Officer (CDIO) units (MHC/MCM/ROT crews).

b. Award Categories:

(1) Ships with Afloat Intelligence Centers (LCC, AGT, LHD, LHA, and MCS)

(2) Ships with Independent Duty Intelligence Specialists (IS-3905s). Also, ships with gapped IS-3905 billets well be judged in the IS-3905 category.

(3) Ships with CDIO (i.e. no Intelligence Officer (163x)/Intelligence Specialist (IS) personnel permanently assigned – less COMINEWARCOM CDIO).

c. Award Submission: The competitive time period for the awards are 01 Jan to 31 Dec of each year. All submissions must be sent via letter or record message traffic, to their Immediate Superior-in-Command (ISIC). Inputs can be classified up to SECRET GENSER; however, efforts should be made to classify the input at the lowest possible level. Each ISIC will select no more than one unit in each of the applicable competitive categories as their submission to COMNAVSURFLANT N2. There is one exception, Afloat Intelligence Center submissions will be forwarded directly to COMNAVSURFLANT N2, with information copies to ISIC. Final selection will be made by COMNAVSURFLANT.

d. Selection Criteria:

(1) Support to the Command. Timely and useful intelligence to the Commanding Officer is deemed paramount.

(2) Collection and Reporting. Value added to the operator/intelligence communities is a key evaluation tool.

(3) Initiatives. Continuous improvement of the intelligence readiness/performance is also deemed essential.

(4) Training and Readiness. All units must meet the minimum requirements for intelligence training.

e. Presentation: COMNAVSURFLANT will announce winners via fleet wide message. In addition, award plaques for each category are permanently displayed in the respective Navy and Marine Corps Intelligence Training Center (NMITC) training classroom. The winner of each award will provide two 8 inch by 10 inch color pictures of their unit to COMNAVSURFLANT N2. One picture will be displayed on the NMITC plaque and the other will be for possible media use.

SAMPLE ARLEIGH BURKE AWARD NOMINATION

From: (ISIC)
To: (Type Commander)

Subj: ARLEIGH BURKE TROPHY NOMINATION

Ref: (a) COMNAVSURFLANT/COMNAVSURFPACINST 3502.2E (SURFTRAMAN)
(b) CINCLANTFLTINST 3590.11E or CINCPACFLTINST 3590.4G

Encl: (1) Comparison Statistics of USS _____

1. Per references (a) and (b), USS _____ is the ISIC nominee for this award.

2. The following information regarding notable achievements by USS _____ during calendar year _____ forwarded (information not covered in enclosure (1), such as):

a. Actual improvements in readiness, such as readiness ratings and exercise completion data.

b. Improvement in morale and performance. Include such areas as human relations programs and inspection results, retention statistics, advancement examination results, community relations, and athletic events.

c. Operational achievements worthy of note, such as major exercise participation, deployment (with noteworthy events), and other examples of extraordinary performance.

d. Commitments met during the year, such as visits to politically sensitive areas and a statement on whether all commitments were met with explanation of extenuating circumstances.

e. Unusual factors which may contribute to the nominations, such as evacuation/extraction of civilians or military in contingency situations and nomination for non-BEC awards such as SECNAV Environmental Protection Award.

_____
(Signature)

Figure 4-2-1

SAMPLE ENCLOSURE (1)

Comparison Statistics of USS _____

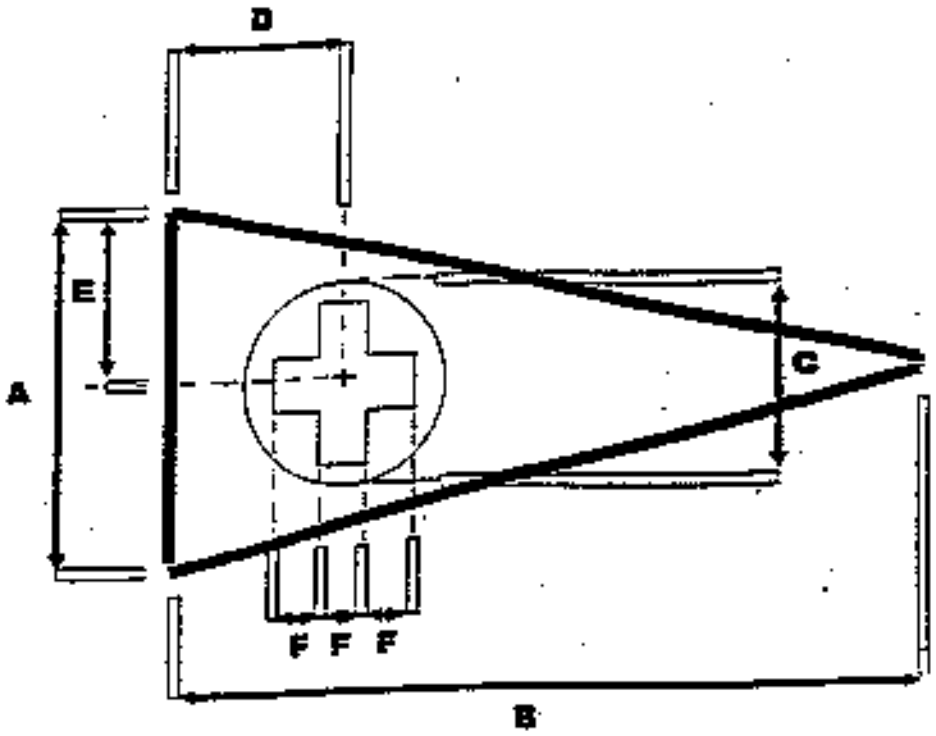
FACTOR	COMPETITIVE PERIOD _____ TO _____	COMPETITIVE PERIOD _____ TO _____
Battle Efficiency "E"	_____ of _____	_____ of _____
Number of command excellence awards	_____ of _____	_____ of _____
Retention/reenlistment (statistics)	_____	_____

Provide the following information as available for each competitive period (including dates):

Engineering Reliability	Material Inspection results and ISIC evaluation based on day-to-day performance. Include INSURV and engineering qualification results as applicable.
Supply Readiness	Logistics Management Assessment results.

Figure 4-2-1(Cont).

TYCOM SHIP SAFETY AWARD



Green "S" Pennant (Forest green pennant with a forest green cross on a white canvas circle)

Figure 5-2-2

SHIPHANDLING COMPETITION EVALUATION FORM

_____
Last Name, First Name, M.I., Grade, SSN/Designator

Ship:_____ Billet:_____

COMMAND PRESENCE	JUDG-MENT	USE OF STANDARD COMMANDS	USE OF ENGINES/ RUDDERS	USE OF MOORING LINES	RULES OF ROAD	TIMING/ SMARTNESS
1.						
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						

EVALUATION (NOTE 1)
1. Moor to pier.
2. Underway from pier.
3. Moor to and underway from buoy.
4. Anchoring/Underway from anchor.
5. Replenishment at sea (approach).
6. Replenishment at sea (alongside).
7. Man overboard.
8. Piloting into and out of port.
9. Control use of tugs (NOTE 2).

NOTE 1: Outstanding - 5, Excellent - 4, Good - 3, Fair - 2, Poor - 1
NOTE 2: Needs to be evaluated on those ships that use tugs as a matter of routine.

Figure 4-2-3

CHAPTER 5

REPORTS

SECTION 1

TRAINING READINESS REPORTING GUIDELINES

Ref: (a) NWP 1-03.3 (Status of Resources and Training System (SORTS))
(b) COMNAVSURFPACINST 3501.2G/COMNAVSURFLANTINST 3500.7D (SORTS Readiness Reporting)

5101. **General**. SORTS readiness reporting is as directed in references (a) and (b). Paragraphs 5103-5109 below discuss the methodology by which mission area readiness ratings are determined.

5102. **Definitions**

a. TRMS - TYCOM Readiness Management System (TRMS). TRMS facilitates data base record keeping aboard ship and attendant training readiness reporting. Operator manuals provide detailed information for system implementation and operation. Some capabilities of TRMS are:

(1) A 12-digit exercise code field.

(2) Speed search of exercise codes.

(3) Automatic dual reporting of related line items.

(4) Direct readout of the effect of "caps" on mission area readiness.

(5) A "reconcile differences" option in the ship software base, which allows for periodic updates from TYCOM.

(6) Production of a formatted TRNGREP message.

b. TRNGREP - Training Report. A message report of completion of training exercises and other reportable readiness evolutions and inspections. This message updates the readiness database within the Readiness Module of TRMS.

5103. **Training M-Ratings.** A satisfactorily completed exercise reported by TRNGREP is reflected as M1, with the effective date being the date the evolution was completed. TRMS will automatically downgrade the exercise sequentially to M2, M3 and M4 by the specific schedule set for that exercise in Appendix A. Using the calculation described in paragraph 5203, TRMS will generate a training readiness rating for each mission area based on overall exercise status in that area.

5104. **Initial Work-up**. A ship completing overhaul or a major maintenance availability of six months or longer, or a newly commissioned ship will normally have all of the training syllabus to complete, i.e. all required exercises will be reflected as M4 in TRMS. Ships are encouraged to report training that is accomplished during overhaul by TRNGREP. However, individual mission area M-ratings will be reported as M5 and CRTNG will be reported as C5 in SORTS until completion of overhaul. As exercises and other evolutions are successfully completed and reported by TRNGREP, their M-rating will go to M1 and will remain at M1 until the "clock" expires or until specifically changed. The result of incrementally completing the syllabus is a steady rise in M-ratings until M1 in each mission area is achieved.

5105. **Equivalencies**. Many unit operations, though not explicitly and formally structured for syllabus training, provide the same or similar training opportunities as the regular syllabus exercise requirements. The use of organic training devices such as BFTT, SQQ-89, and others provide excellent opportunities to satisfy training requirements without utilizing scarce off-ship resources. A unit progressing through the training work-up of the syllabus may consider that a required evolution need not be conducted because the skills normally acquired during that training evolution have already been satisfactorily demonstrated. FXP exercise descriptions are general in nature and not tailored to specific ship classes. An equivalency may be granted when the objective of the exercise is essentially fulfilled even if some element of the exercise is not accomplished or is beyond an individual unit's capability. Authority to grant equivalencies is vested in the ISIC and applies to all exercises except actual weapon firings (except as noted in subparagraphs (d) and (e) of this article). The following considerations apply to requests for granting of equivalencies:

a. Certain evolutions such as team trainers and off ship training assessment should be considered in the following context:

(1) Negligible personnel/key team member turnover since last completion of the evolution.

(2) Recent unit operations have exercised a specific warfare mission area/team skill such that the trainer is not considered necessary.

(3) Operational commitments may also preclude use of a specific team trainer but use of outside training assistance (e.g., ATG observers, ISIC staff, etc.) for on board reinforcement of team skills is sufficient to satisfy the exercise objective.

b. Appendix C contains detailed guidance on pre-approved equivalencies for shore-based/on board/embedded trainers and selected training vans.

c. Upon ISIC approval, the ship will report the evolution as an unscored equivalent by TRNGREP. Although claiming equivalencies can benefit the unit by acknowledging training benefits received not in an operational environment, equivalencies should be used cautiously and, when approved and reported, should be based on a deliberate evaluation that the training exercise in question is adequately represented by the equivalency and that the objectives of the exercise were essentially met.

d. Equivalencies for simulated USW weapons firings are authorized for PACFLT ships if the following criteria are met:

(1) Operations shall be conducted on an instrumented range.

(2) The ship shall track and conduct simulated attacks on a target. All USW teams must be exercised (multiple runs required).

(3) Range control/observer will provide Probability of Kill (PK) based upon ship/target geometry at the time of simulated firing and UBFCS setting. Grades should be assigned using applicable grading criteria.

(4) Actual firing procedures should be followed (i.e. air slugs fired through SVTT, LAMPS achieving attack criteria).

(5) For scoring, the best run of the day may be used. A constructive hit must be adjudged.

e. Equivalencies for AAW-11/27-SF may be obtained for Combat System Ship Qualification Trials (CSSQT) (also known as Post Delivery Test and Trials (PDT&T), and Post ROH Test and Trial (PRT&T), Developmental Test (DT) and Operational Test (OT) firings under the following conditions:

(1) Equivalency request, with ISIC endorsement, is received by TYCOM with sufficient advance notification to allow training and technical communities adequate preparation time to script scenarios which accommodate both test and training objectives.

(2) Tactically oriented training is provided to the crew for the firing.

(3) CSSQT/DT/OT missile firings are not solely a combat systems equipment certification or engineering test and are not beyond expected system performance.

(4) Applicable target and profile described for the exercise for which equivalency is requested are flown during the firing presentation.

(5) No safety violations occur in conducting any portion of the missile firing.

(6) Observer requirements of paragraph A-106 are met.

5106. **Additional Guidelines**

a. All exercises conducted under the cognizance of the ATG will be reported per the sample TRNGREP provided in paragraph 5204.

b. Capping

(1) The computation of the mission area readiness factor is based solely on satisfactory completion of a percentage of a unit's mission area exercise syllabus. All exercises/evolutions in the syllabus are weighted equally. Due to this structuring, overall percentages often do not give a true indication of actual combat readiness. Therefore certain critical standards have been selected so that a degraded readiness will be indicated unless proficiency in these selected events is demonstrated. Failure to conduct one of these events will override the normal C/M-rating computation process. These overrides act as a "cap" on the SORTS reported training resource element regardless of the numerical rating indicated in a unit's TRMS database. The TRMS program will automatically impose these CAPS if required criteria are not satisfied. Appendix B contains TYCOM guidance on training resource rating "caps" to be applied when units have deficiencies in certain mission area requirements.

(2) Reference (a) states that, "the failure of a major inspection…will result in an initial status category of 4 for appropriate mission area, and an initial category of 4 in the training and/or equipment resource area as appropriate." The ISIC should ensure that the readiness reflected for a particular primary mission area is consistent with the ship's performance in related inspections/evolutions. Appendix B contains TYCOM guidance as to training resource rating "caps" to be applied when units have indicated deficiencies in certain critical evolutions.

c. Entering Overhaul. Coincident with the submission of a CROVL C5 SORTS report at the beginning of a regular overhaul and with the concurrence of the ISIC, the Type Commander will perform the necessary action to "zero out" all training evolution completion entries in the individual unit TRMS database.

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SECTION 2

TRAINING READINESS REPORTING SYSTEM

Ref: (a) NWP 1-03.3 (Status of Resources and Training System (SORTS))
(b) COMNAVSURFPACINST 3501.2G/ COMNAVSURFLANTINST 3500.7E (SORTS Readiness Reporting)

5201. **General**. References (a) and (b) provide the basic guidance for submission of Part I and Part II SORTS data. This section describes the Type Commander's training readiness reporting system, and provides guidance on the preparation and submission of reports of training exercise and inspection completion. Ultimately, training readiness C/M-ratings reported by SORTS are determined by Training Report (TRNGREP) messages submitted by individual units and compiled in TRMS.

5202. **TYCOM Readiness Management System (TRMS)**. The Readiness Module of TRMS supports the Type Commander by providing up-to-date statistical training readiness and other data used at the headquarters daily.

a. TRMS provides an on-line automated system for processing information essential to unit training readiness management. The database in the Readiness Module is comprised of individual unit exercise requirements from Appendix A, "cap" items from Appendix B, as well as other training evolution, certification, and inspection information. The database is updated by submission of unit TRNGREPs. TRMS uses the TRNGREP data to convert exercise completions into exercise M-ratings and to calculate mission area training readiness M-ratings based on the overall mission area exercise completion status.

b. The more frequently a unit submits TRNGREP updates, the more accurate the database for readiness assessment purposes. Commanding Officers must ensure the timeliness of training readiness reporting. TRNGREPs should be submitted as significant changes occur, but at least monthly.

5203. **Mission Area M-Ratings.**

a. Description and Use

(1) The training exercises listed in Appendix A degrade over time as described below. The time-phased degradation from M-1 to M-4 is indicated for each exercise both in Appendix A and in the Exercise Criteria Catalog from TRMS. The following example illustrates the automatic actions of the "clock" in the TRMS Readiness Module for the repetitive iteration of an exercise if not reset by follow-on completion of the exercise:

MOB-S-10-SF (6,12,18) - M-1 upon TRNGREP entry in TRMS;
degrades to M-2 after 6 months;
degrades to M-3 after 12 months;
degrades to M-4 after 18 months.

A report of satisfactory completion of the exercise at any time subsequent to its initial completion will reestablish M-1 status for that exercise.

(2) In addition to the normal resets discussed above, an unsatisfactory repetition of an exercise that indicates the required proficiency has been lost, should be the basis to reset an exercise to M-4.

(3) A table of TYCOM pre-approved exercise equivalencies is contained in Appendix C to allow units to take credit for exercises using shore, pierside, or on board training devices. Additional guidance on exercise equivalencies is contained in Section 1, Article 5105 of this chapter.

b. Calculation. In the calculation of the mission area resource training readiness factor, only satisfactorily accomplished exercises are considered. The following equation is used to compute each mission area training readiness factor, where M = Mission Area Training Readiness Factor and Nr = the total number of exercises in each readiness category:

$$M = \frac{4A + 3B + 2C}{4(A + B + C + D)}$$

Where A = Nr of exercises M-1,
B = Nr of exercises M-2,
C = Nr of exercises M-3,
and D = Nr of exercises M-4.

E X A M P L E

TOTAL
If Nr of exercises M-1 = 40
Nr of exercises M-2 = 4
Nr of exercises M-3 = 3
Nr of exercises M-4 = 15, then:

$$M = \frac{4(40) + 3(4) + 2(3)}{4(40 + 4 + 3 + 15)} = 0.718$$

(1) The mission area training readiness rating is determined by comparing the computed mission area training readiness factor with the following OPNAV-directed M-rating criteria:

M-1 = 1.000 - 0.850
M-2 = 0.849 - 0.700
M-3 = 0.699 - 0.550
M-4 = 0.549 and below

Therefore, in the above example where the computed mission area training readiness factor equaled 0.718, the unit would report a mission area training readiness rating of M-2.

5204. **Training Report (TRNGREP)**

a. Reporting Procedures

(1) The TRNGREP is a message report of the completion of training exercises as well as other reportable readiness evolutions. Submit TRNGREPs immediately upon completion of at-sea training periods, significant exercises and inspections, and other reportable evolutions. The requirement for prompt reporting is especially important during the immediate post-overhaul workup and predeployment periods. As a minimum, submit reports monthly to reach the Type Commander by the last day of the month. TRNGREPs should be sent INFO to the ship's ISIC.

(2) TRNGREP data are considered operationally significant and will continue to be submitted by message during MINIMIZE. GENADMIN and NAVGRAM formats are not recognized by TRMS and are not to be used for TRNGREPs.

(3) If TRNGREP results in changes to mission area M-Rates (i.e. M2 to M3) in a PRMAR, a SORTS report reflecting the change in training status should be submitted coincident with TRNGREP submission.

(4) The following is a detailed description of the TRNGREP format:

E X A M P L E

FM *(Submitting Command)*
TO COMNAVSURFLANT NORFOLK VA//N811// or,
COMNAVSURFPAC SAN DIEGO CA//N8//
INFO COMNAVSURFLANT DISCUS NORFOLK VA (Note 1)
ISIC
C O N F I D E N T I A L //N03501//
TRNGREP (Note 2) **AS OF 010001Z JAN 95**
(Hull Number) (Ship Name/UIC) (Note 3)
A B C D E F
N61102000011/950120/2/NONE/A/ASW-1-SF
N64142000051/950120/2/0985/A/MOB-N-5-SF
REMARKS: *(Note 4)*
DECL/(*Six yrs from date of origination*)//

Notes:
A. Exercise Code. TRMS twelve-digit code listed in Exercise Criteria Catalog and unit's TRA. Code breakdown of N61102000011is as follows:

N 6 110 2 00 0011
A B C D E F
A. FIRST NUMBER/DIGIT. . . . . .N=NAVY
B. SECOND DIGIT. . . . . 6=SURFACE, 5=SHORE BASED
C. THIRD-FIFTH. . . . . .PMA CODE
D. SIXTH. . . . . .TRAINING PHASE
E. SEVENTH-EIGHTH. . . . . INTER FIELD INDICATOR, I.E. SF/I
F. NINTH-TWELFTH. . . . . EXERCISE NUMBER

B. Date Completed. Format is numeric YYMMDD.
C. Evaluation Method
0 = Observed Exercise
2 = Self-observed Exercise
4 = Equivalent
6 = SELRES
8 = Reset
D. Score/Hours/Percent. Furthest right position is tenths position when reporting a score or percent. If none, use "NONE." (Note 5)
E. Action Code
A = Add
D = Delete
R = Reset (Note 6)
F. Exercise Identification. Use applicable titles from the unit's TRA. (Note 7)

NOTES**:**
1. NAVSURFLANT CG/DD/DDG/FFG also include AFLOATRAGRULANT CSTG NORFOLK VA as an info addee. Also note that in the case of SURFLANT units, if COMNAVSURFLANT DISCUS info addee is not listed, the TRNGREP will not update the TRMS database.
2. Insert three digit unit serial number for sequential tracking of reports (001-999). Next report after 999 is 001; serial numbers are not calendar dependent.
3. Same as Organization Identification Line of SORTS report (NAME/UIC).
4. The Remarks section is used to collect unique information of interest to TYCOM, GRUCOM, and/or ISIC if not otherwise reported by exercise code. For amplifying information, see paragraph 5205.
5. To report a score of 95.3%, write 0953; for 100%, write 1000;

6. "A" (addition) is used to report all completions. "D" (deletion) is used to remove the entire entry when an erroneous completion date has been submitted. To change an evaluation method and/or score of a previously reported item, use an addition code, and update as required. "R" (reset) is used to reset exercises from M-1 to M-4 as a result of CART II.
7. Cite the appropriate FXP exercise designation (e.g., "MOB-D-9-SF" vice "MAIN SPACE FIRE"). For an evolution without an FXP designation, use course number if applicable or appropriate narrative wording otherwise (e.g., "J-210-0513", or "DIESEL ENGINE INSPECTION"). Use of this field is mandatory.

b. Message Format Requirements. TRNGREPs can be automatically generated by the TRMS software. Errors are usually caused by ignoring error messages in TRMS or by manually editing the message after it is generated by the software. Errors will in most cases cause the message to be placed in the suspense file rather than the unit file. Manual processing is then required to correct the error for the message to be entered into the unit file. Some errors may even require retransmission of the entire message to enable a database update. Common errors are:

(1) Not completing all elements in the exercise line, (i.e. exercise code, date completed, evaluation method, score, action code, and exercise identification).

(2) Reporting exercise completion dates which are later than the date-time-group of the TRNGREP.

(3) UNCLAS vice CONFIDENTIAL classification.

(4) Incorrect UIC or omitting the leading letter N.

(5) Using GENADMIN format.

5205. **Type Commander TRNGREP Information**. The TRNGREP is also used to collect unique information of interest to the Type Commander, the group commander, and/or ISIC on both a regular and a one time only basis. Information of this type will be reported in the Remarks section of the TRNGREP message if no TYCOM exercise code is assigned. Only the Type Commander will assign exercise codes. All applicable units will report the following TYCOM-formatted special interest items.

a. Sonar Contact Time

(1) The objective of the Sonar Contact Time requirement is to set fleet goals that will maintain Sonar Operator and USW Team proficiency in active and passive detection, classification, and tracking of USW contacts. Sonar Contact Time is defined as any sustained USW pursuit/prosecution on a known or suspected submarine contact, whether live or synthetic.

(2) USW capable ships will report contact time monthly in the TRNGREP. M-rating for contact time is based on the total number of hours accumulated over the past three months. Contact time reporting is treated similarly to exercise reporting. Each requirement will have an M-1 through M-4 status according to the following guidelines:

Contact Time* *Cumulative hours over last 3 months	**M1**	**M2**	**M3**	**M4**
Active Sensors	> 25	<25 to 21	<21 to 17	<17
Passive Sensors	> 25	<25 to 21	<21 to 17	<17
Live Target	>5	<5 to 4	<4 to 3	<3

Figure 5.2.1 Sonar Contact Time

(3) Active and Passive Contact Time may be reported for all live underwater contacts, simulated contacts, and targets of opportunity. Advances in shore-based training, shipboard target generation, and environmental modeling allow for quality operator and team training inport. However, maximum use of maneuverable targets in a live environment is encouraged. Active and Passive Contact Time may be obtained from the following sources:

(a) Live underwater contacts

(b) Shipboard simulators/target generators (OBT/IOBT, T-5/T-6, SQS-56 TGT)

(c) Shore-based trainers (OBT-TCD, 14A12, 14A35, 20B5, IVDS/ICW, etc)

(d) Acoustic analysis trainers (APTS, SOLO, PADS, etc)

(e) Surface ships

(4) Live Target Contact Time is reported for live underwater contacts only. Ships with no Live Target Contact Time in 3 months will be capped at M-2 in USW. The following are consider live targets:

(a) Submarines

(b) MK 30 ASW Targets

(c) MK 39 Expendable Mobile ASW Training Targets (EMATT)

(d) Unmanned Underwater Vehicles (UUV)

(e) Torpedoes

(f) Mines/Mine-like Objects.

(5) Exercise Line Format. The exercise codes in the training data for sonar contact time will be used to report contact hours accumulated during the month.

(a) Example: On March 31, 1998, a ship accumulated 8.5 hours of Active Contact Time for the month of March. The TRNGREP line item reads as follows (per STM paragraph 5204):

TRMS DATA CODE/980331/0/0085/A/CONTACT TIME ACTIVE

b. Acoustic Analysis Contact Time

(1) All USW capable ships will report Acoustic Analysis Contact Time. The minimum requirement to maintain acoustic analysis proficiency is twenty (20) hours per month for each analyst assigned. Acoustic Analysis Contact Time is calculated by dividing the total divisional man-hours accumulated from analyst training during the month, by the total number of analyst assigned.

Contact Time* *Cumulative hours over last 3 months	**M1**	**M2**	**M3**	**M4**
Acoustic Analysis	>60	<60 to 50	<50 to 40	<40

Figure 5.2.2 Acoustic Analysis Time

(2) Acoustic Analysis Training will be conducted in accordance with COMNAVSURFLANT/PACINST 3361.1A Surface Ship Acoustic Analysis Proficiency Program (SSAAPP). Training will be recorded in the Divisional Training Records or training database. Training time may be acquired as follows:

(a) Using shipboard ONI/NAVSTAD/DARTS tapes, SSAAC Site training devices, and computer based simulators (APTS, PADS, etc)

(b) Intelligence/publication reviews

(c) Training conducted on underwater acoustics, oceanography, data collection, and other principals and fundamentals of USW operations as outlined in the SSAAPP instruction.

(3) Exercise Line Format. The exercise codes in the training data for acoustic analysis training time will be used to report training hours accumulated during the month.

(a) Example: On March 31, 1998, a ship accumulated 355 man-hours of Acoustic Analyst training for the month of March. If 16 Acoustic Analyst are assigned, the ship would report 22.2 hours of Acoustic Analysis Contact Time. The TRNGREP line item reads as follows (per STM paragraph 5204):

TRMS DATA CODE/980331/0/0222/A/CONTACT TIME ANALYSIS

c. Degaussing.

(1) Ships will report during all training phases satisfactory or unsatisfactory degaussing ranging. Report satisfactory completion of an entire reciprocal run package (i.e. N-S run followed by S-N run equals one package completion). For satisfactory runs, report "SATT" in the SCORE column; for an unsatisfactory run in either direction, report "USAT" in the SCORE column.

(2) Sample: TRMS DATA CODE/910513/0/SATT/A/Degaussing Check Range Steel Hull

SECTION 3

TRAINING REPORTS SUMMARY

5301. **ISIC Reports**

Report/Reference	Description
a. Award Nominations. SURFTRAMAN Ch4, Sec1	ISIC will submit nominations following each competitive cycle for Battle "E" and Command Excellence awards using format of Figure 4-1.
b. FEP Completion	ISIC will report completion of FEP within one week of completion.

5302. **Unit Reports**

Report/Reference	Description
a. Training Report (TRNGREP). SURFTRAMAN Ch5, Sec2	1. Message report of completion of training exercises as well as other reportable readiness evolutions, and TYCOM interest data. 2. Exercises completed in overhaul should be reported in the first TRNGREP submitted upon completion of overhaul. 3. As a minimum, TRNGREPs will be submitted monthly to reach TYCOM NLT last day of the month.

5303. **Other Training Reports**

Report/Reference	Description
a. SURFTRAMAN Feedback Report. SURFTRAMAN Ch1, Sec4	Any unit in chain of command, as well as any activity included on distribution either as service provider or supporting activity, may initiate query about any aspect of the Surface Force Training Program or make recommendation for its improvement.
b. Navy Training Feedback System (NTFS) Form	This form is a tool for Navy activities and personnel to identify, report and validate training related deficiencies to CNET, TYCOM and other echelon II commands. OPNAVINST 1500.71 governs the use of NTFS.

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APPENDIX A

EXERCISE REQUIREMENTS

Ref: (a) COMNAVSURFLANT/COMNAVSURFPACINST 3502.3 (SURFTRAMAN Bulletins)

A-101. **General**. This appendix delineates, in matrix format, required training exercises, inport training drills, and other evolutions that apply to ships and units of the Surface Forces. The matrices are arranged by mission area.

a. Except for engineering exercises, exercise descriptions are in the Fleet Exercise Publication (FXP) series or in SURFTRAMAN Bulletins, reference (a). The Bulletins contain new exercises not yet in FXPs, and modifications to exercise procedures and scoring, if different from standard criteria. Engineering exercises are contained in a ship's EOCC. Training requirements need to reviewed frequently. The matrices are organized by ship class, but individual differences among ships' configurations within a class may require different training requirements due to the addition, modification or removal of equipment or machinery. Ships should audit these requirements and that contained in their TRMS catalogs with their own specific equipment configuration whenever a new TRMS catalog is received. Changes to training requirements listed in TRMS may be requested by SURFTRAMAN Feedback request as discussed in paragraph 1402. The exercise requirements for the new LPD 17 class will be filled in when determined.

b. The FXP series publications are no longer distributed in paper copy. They are distributed to all ships via the Navy Warfare Electronic Library (NWEL), a CD-ROM product of the Navy Warfare Development Command, approximately three times per year. They are also available on the Navy Warfare Development Command SIPRNET site at http://www.nwdc.navy.smil.mil/doctrinehome/NWELS/DEFAULTa.HTM.

A-102. **Exercise Periodicities and Repetitions.** Exercises listed in this appendix constitute a continuously repeating set of requirements to ensure ships maintain proficiency in all areas throughout the employment cycle. The periodicity requirements are stated for each exercise with a three step numerical code; e.g., (3,6,9), which indicates that the exercise remains at M1 through the third month following completion, M2 through the sixth, M3 through the ninth and becomes M4 at the start of the tenth. A code of (24,0,0) indicates that the exercise remains at M1 for 24 months and degrades directly to M4 when that period has elapsed. This is typically used to describe exercises like missile firing events which are done only once per cycle. As discussed in paragraph 5203, TRMS computes a mission area training readiness factor in each mission area based on the currency of the related exercises. Ships should strive to maintain M1 by repeating exercise accomplishment at sufficient frequency.

a. Normally, an exercise need be completed satisfactorily only once before reporting.

b. A subsequent unsatisfactory repetition of an exercise results in that exercise being reset to M-4 by the ship in its next TRNGREP.

c. The training plan developed by the ISIC and ship CO following CART II will complete some portion of these exercises, either through specific events or scenario training that satisfies the objectives of one or more exercises. Ships will report which exercises were accomplished or satisfied during their training with ATG following FEP by TRNGREP.

A-103. **Engineering Training Exercises**. The engineering training exercises contained in the MOB-E Exercise Matrix are based on the ship's master EOCC loadout. They are divided into four drill families based on commonality of procedures and the ship systems involved. Each family is subdivided into core and elective groupings. Core drills are those considered to be the most significant with respect to plant operation or potential for personnel injury or equipment damage.

a. In order to maintain training readiness, all core drills must be completed satisfactorily every 6 months.

b. All elective drills must be satisfactorily completed over an 18 month period, which means that approximately one-third must be completed every six months.

c. A drill is satisfactory when there would have been no additional damage or injury, plant control is maintained, and the expected outcome is achieved. ETT errors that preclude the above conditions from being demonstrated may make a drill unsatisfactory. Follow-on actions can be decoupled from the drill and evaluated separately as evolutions. Evolutions are routine tasks, or tasks resulting from a casualty, that are performed by a watchstander, watchteam, or Casualty Response Team (CRT).

d. When the core drills and the required amount of elective drills in a drill family have been completed, the entire drill family will be reported as complete by TRNGREP. The code 9999 will be used in the score field of the elective drills not actually conducted. Exercises shall be completed satisfactorily by each Condition IV watch section in order to be complete. The ETT will adjust the complexity of drill sets as the watch section's proficiency increases. Engineering proficiency requires more than conducting large numbers of drills. Good drill preparation and feedback, as well as seminars and evolutions training are required to develop proficiency. Drills which use only one shaft or engine room, do not need to be accomplished by both engine rooms in order to be reported as complete; however, the ETT leader will ensure that each space has had exposure to all drills over the course of several training quadrants.

A-104. **Medical Training Exercises**. Medical training exercises support a secondary FSO (Medical) mission for all ships. Since this is a secondary mission, medical exercises are not used to determine a ship's training readiness status in SORTS; however, the medical exercises of this matrix are required to be conducted in the periodicities indicated, and reported by TRNGREP.

A-105. **Self-Observation and Grading of Exercises**. Successful completion of required exercises is the culmination of individual and team training effort. The determination of successful completion of a required training exercise shall be made by the commanding officer. Exercises are not to be credited as completed unless a grade of at least 62.5% was adjudged. Grading will be conducted using the appropriate SURFTRAMAN BULLETINS, FXP exercise evaluation criteria, or judgment of the appropriate training team where specific criteria are not provided; e.g., engineering casualty control exercises.

A-106. **AAW Exercise Observers**. Qualified observers are required for AAW-24-SF (Detection-to-Engagement Sequence (Nonfiring)) and all missile firing exercises. To be considered qualified, an observer must be surface warfare qualified, be serving in or recently have served in an AAW-related billet, and be from a command other than the firing ship. Observers can be either commissioned, warrant, or chief petty officers. The command conducting the exercise is responsible for ensuring observers meet these qualification requirements. Should there be any doubt as to observer qualifications, it will be resolved by the ISIC prior to conducting a missile firing exercise.

A-107. **Safety Practices During Exercises**

a. Strict adherence to safety standards is of paramount importance and is a command responsibility. Prevention of accidents and elimination of unsafe practices must be pursued aggressively at all levels. Many safety violations can be corrected on the spot; others require modification of procedures.

b. Whether self-observed or observed by another command, repeated minor violations of safety precautions is adequate reason to consider exercise performance unsatisfactory.

AMW EXERCISES-SHIPS

EXERCISES	AGF	AOE1	AOE6	ARS50	CG47	DD963	DDG51	FFG7	JCC	LCC	LHA	LHD	LPD4	LPD17	LSD36	LSD41/49	LST	MCM	MCS	MHC51
AMW-1-SF(12,18,24) NSFS REHEARSAL[1]					X	X	X													
AMW-2-SF (12,18,24) NSFS QUAL (FIREX I)[2]					X	X	X													
AMW-3-SF (12,18,24) NSFS QUAL MAINTENANCE (FIREX II)[3]																				
AMW-4-SF (6,9,12) EMBARK PLANNING											X	X	X		X	X	X			
AMW-5-SF (3,6,9) ASSAULT BOAT HOIST AND LOWERING													X		X	X				
AMW-6-SF (6,9,12) EMBARK/DEBARK LANDING CRAFT -WELL DECK											X	X	X		X	X				
AMW-7-SF (6,9,12) EMBARK/DEBARK LCAC WELL DECK											X	X	X		X	X				
AMW-12-SF (12,18,24) BASIC CARGO HANDLING											X	X	X		X	X	X			
AMW-13-SF (6,9,12) BASIC WELL DECK CARGO HANDLING											X	X	X		X	X	X			
AMW-16-SF (6,9,12) WELL DECK CARGO HANDLING											X	X	X							
AMW-28-SF (12,18,24) CONTROL SHIP-SHORE MOVE (DAY)											X	X	X		X	X				
AMW-30-SF (12,18,24) CONTROL SHIP-SHORE MOVE (NIGHT)											X	X	X		X	X				
AMW-34-SF (6,9,12) EMBARK/DEBARK AAV FROM WELL DECK[4]											X	X	X		X	X				
AMW-35-SF (6,9,12) EMBARK/DEBARK AAV FROM LST																	X			
AMW-36-SF (6,9,12) U/W LAUNCH AAV[5]											X	X	X		X	X	X			
AMW-37-SF (6,9,12) CONTROL AAV SHIP-SHORE MOVEMENT[6]											X	X	X		X	X	X			

[1] MUST BE ACCOMPLISHED WITHIN 90 DAYS PRECEDING FIREX I

[2] MUST BE ACCOMPLISHED AS EARLY AS SCHEDULE PERMITS.

[3] CAN EXTEND FIREX I QUAL IN CERTAIN CIRCUMSTANCES PER STM BULLETIN 202.

[4] REQUIRED FOR ALL CLASSES,LST ONLY IF EMBARKATION OF AAV IS PLANNED.

[5] REQUIRED FOR ALL CLASSES,LST ONLY IF EMBARKATION OF AAV IS PLANNED.

AMW EXERCISES - SHIPS

EXERCISES	**AGF**	**AOE1**	**AOE6**	**ARS50**	**CG47**	**DDG963**	**DDG51**	**FFG7**	**JCC**	**LCC**	**LHA**	**LHD**	**LPD4**	**LPD17**	**LSD36**	**LSD41/49**	**LST**	**MCM**	**MCS**	**MHC51**
AMW-38-SF (6,9,12) AAV SHIP-SHORE MOVE											X	X	X	X		X	X			
AMW-39-SF (12,18,24) LCU STERNGATE MARRIAGE TO WELL DECK											X	X	X		X	X	X			
AMW-45-SF (24,0,0) LST BEACHING AND RETRACTING																	X			
AMW-61-SF (6,9,12) CONTROL LCAC SHIP-SHORE MOVEMENT											X	X	X		X	X				
AMW-69-SF (12,24,36) AMPHIB ENVIRONMENTAL SUPP									X	X	X	X								
AMW-70-SF (12,18,24) LAUNCH/ RECOVERY OF CRRC											X	X	X		X	X	X			
AMW-71-SF (12,18,24) CRRC RAID PLAN											X	X	X		X	X	X			
AMW-1-I (4,8,12) VERTICAL ENVELOPMENT											X	X	X							
AMW-6-I (6,12,18) HELO LAUNCH/ RECOVERY (EMCON)										X	X	X	X		X	X	X		X	
AMW-7-I (6,12,18) INSTRUMENT APPROACH A/C RECOVERY									X	X	X	X	X		X	X	X		X	
AMW-8-I (6,12,18) HELO TROOP EMBARK/DEBARK											X	X	X		X	X	X			
AMW-9-I (6,12,18) HELO LOAD/ UNLOAD											X	X	X		X	X	X			
AMW-12-I (6,9,12) COMBAT FLIGHT OPS											X	X	X		X	X				
AMW-13-I (6,9,12) COMBAT FLIGHT OPS (EMCON)											X	X	X		X	X				
AMW-14-I (6,9,18) CONTROL HELO CIC/HDC											X	X								
AMW-15-I (9,18,24) CONTROL HELO (EMCON)											X	X								
AMW-16-I (6,12,18) RECEIVE/HANDLE CASUALTIES FROM HELO											X	X	X		X	X	X		X	
AMW-17-I (6,12,18) SAC											X	X								
AMW-18-SF ((6,12,18) LOST PLANE EMERGENCY TANKING ASSISTANCE											X	X							X	
AMW-19-I (3,6,9) AIC											X	X							X	

[6] REQUIRED FOR ALL CLASSES,LST ONLY IF EMBARKATION OF AAV IS PLANNED.

AMW EXERCISES-SHIPS

EXERCISES	**AGF**	**AOE1**	**AOE6**	**ARS50**	**CG47**	**DD963**	**DDG51**	**FFG7**	**JCC**	**LCC**	**LHA**	**LHD**	**LPD4**	**LPD17**	**LSD36**	**LSD41/49**	**LST**	**MCM**	**MCS**	**MHC51**
AMW-20-I (6,12,18) CONTROL ASSAULT A/C TACC/HDC											X	X								
AMW-21-I (12,18,24) AVIATION ORDNANCE STRIKE UP											X	X	X							
AMW-22-I (3,6,9) HELO NVD OPS[7]											X	X	X		X	X	X			
AMW-23-I (3,6,9) EMERGENCY DEFENSE OF THE ATF											X	X	X		X	X	X			

[7] NVG CERTIFIED SHIPS ONLY.

AW EXERCISES - SHIPS

EXERCISES	**AGF**	**AOE1**	**AOE6**	**ARS50**	**CG47**	**DDG963**	**DDG51**	**FFG7**	**LCC**	**LHA**	**LHD**	**LPD4**	**LPD17**	**LSD36**	**LSD41/49**	**LST**	**MCM**	**MCS**	**MHC51**
AW-2-SF (24,0,0) LINK 11 OPS	X				X	X	X	X	X	X	X							X	
AW-3-SF (3,6,9) RADAR IFF TRACKING	X	X	X		X	X		X	X	X	X	X		X	X			X	
AW-4-SF (24,0,0) AA TGT DESIGNATION AND ACQUISITION (NON-FIRING)		X	X		X	X	X	X		X	X								
AW-6-SF (24,0,0) S/S AIR TARGET DETECTION, TRACK, DESIG & ACQ		X	X		X	X	X	X		X	X								
AW-7-SF (3,6,9) TACTICAL AAW		X	X		X	X	X	X		X	X								
AW-11A-SF (24,0,0) SUBSONIC ASMD STREAM RAID(FIRING)[1]		X	X		X	X	X	X		X	X				X				
AW-12-SF (24,0,0) AA GUNNERY					X	X	X	X											
AW-15-SF (24,0,0) INFO PROCEDURES					X	X	X	X	X	X	X								
AW-17-SF (24,0,0) LINK 11 INTRUSION-JAMMING	X				X	X	X	X	X	X	X								
AW-18-SF (24,0,0) SUPER-SONIC ASMD (FIRING) HIGH ALT[2]								X											
AW-19-SF (24,0,0) SUPER-SONIC HIGH ALT/EXT RANGE (FIRING)[3]					X		X												
AW-20-SF (24,0,0) CIWS READINESS EVAL[4]	X	X	X		X	X	X	X	X	X	X	X		X	X	X		X	
AW-21-SF (24,0,0) CIWS FIRING	X	X	X		X	X	X	X	X	X	X	X		X	X	X		X	
AW-24-SF (24,0,0) DTE SEQUENCE (N0N -FIRING)		X	X		X	X	X	X		X	X				X				
AW-26-SF (24,0,0) LINK 4A AIC					X		X			X	X								
AW-27-SF (24,0,0) UPER-SONIC ASMD (FIRING) LOW ALT[5]		X	X		X	X	X	X			X								
AAW-3-I (24,0,0) AIC[6]					X	X	X	X		X	X								

[1] LHA AND LSD-41 CLASS SHIPS EQUIPPED WITH SSDS/RAM
[2] EXERCISE IS HELD IN ABEYANCE IN FAVOR OF COMPLETING STREAM RAID.
[3] EXERCISE IS HELD IN ABEYANCE IN FAVOR OF COMPLETING STREAM RAID.
[4] SUCCESSFUL CSSQT FIRING(S) AND SYSTEM CERTIFICATION SATISFIES THIS REQUIREMENT.
[5] SHIPS WITH NSSMS AND RAM, CONDUCT WITH NSSMS ONLY.
[6] CONDUCT ONE PER CONTROLLER. NOT APPLICALBE TO FFG-7R

AW EXERCISES-SHIPS

EXERCISES	**AGF**	**AOE1**	**AOE6**	**ARS50**	**CG47**	**DDG963**	**DDG51**	**FFG7**	**LCC**	**LHA**	**LHD**	**LPD4**	**LPD17**	**LSD36**	**LSD41/49**	**LST**	**MCM**	**MCS**	**MHC51**
AAW-4-I (24,0,0) LOST PLANE HOMING	X	X	X		X	X	X	X	X	X	X	X						X	
AAW-5-I (24,0,0) AA TGT DESIG/ACQ IN A MUL TGT ENV-CAP COORD					X	X	X	X		X	X								
AAW-7-I (24,0,0) ECCM-CAP COORD IN MECH JAMMING[7]					X	X	X	X		X	X								
AAW-8-I (24,0,0) TAC AAW CAP/MSL COORD[8]					X	X	X	X		X	X								
AAW-9-I (24,0,0) TAC AAW CAP/MSL COORD WITH COUNTERMEASURES[9]					X	X	X	X		X	X								
AAW-10-I COORD CAP/MSL EMPL					X	X	X	X			X								
AAW-11-I COORD CAP/MSL EMPL IN ECM ENVIRON					X	X	X	X			X								
AAW-13-I CINTEX					X	X	X	X		X	X								
AAW-14-I A/C CONTROL-ASM PLATFORM/ASM INTERCEPT					X	X	X	X		X	X								

[7] NOT APPLICABLE TO FFG-7R
[8] NOT APPLICABLE TO FFG-7R
[9] NOT APPLICABLE TO FFG-7R

C2W EXERCISES - SHIPS

EXERCISES	**AGF**	**AOE1**	**AOE6**	**ARS50**	**CG47**	**DD963**	**DDG51**	**FFG7**	**LCC**	**LHA**	**LHD**	**LPD4**	**LPD17**	**LSD36**	**LSD41/49**	**LST**	**MCM**	**MCS**	**MHC51**
C2W-2-SF (3,6,9) ES DETECTION, ANALYSIS AND REPORT [1]	X	X	X		X	X	X	X	X	X	X	X		X	X			X	
C2W-3-SF (3,6,9) EXT EMCON	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
C2W-4-SF (3,6,9) EMCON SET AND MODIFICATION	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
C2W-5-SF (3,6,9) SATELLITE VULNERABILITY	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
C2W-6-SF WATCH EVAL(3,6,9)[2]	X	X	X		X	X	X	X	X	X	X	X		X	X			X	
C2W-7-SF (12,18,24) COMP EW EX PH I[3]	X	X	X		X	X	X	X	X	X	X	X		X	X			X	
C2W-8-SF (12,18,24) COMP EW EX PH II[4]	X	X	X		X	X	X	X	X	X	X	X		X	X			X	
C2W-9-SF (12,18,24) COMP EW EX PH III[5]	X	X	X		X	X	X	X	X	X	X	X		X	X			X	
C2W-10-SF (12,18,24) COORD MULTI-SHIP EW	X	X	X		X	X	X	X	X	X	X	X		X	X			X	
C2W-11-SF (6,12,18) CHAFF FIRING[6]	X	X	X		X	X	X	X	X	X	X	X		X	X			X	
C2W-12-SF (12,18,24) LAMPS MK III U/W DEMO[7]					X	X	X	X											
C2W-13-SF (12,18,24) MISSILE/THREAT ELECTRONIC ATTACK		X	X		X	X	X	X	X	X	X							X	
C2W-14-SF (12,18,24) EW ASSESSMENT	X	X	X		X	X	X	X	X	X	X	X		X	X			X	
C2W-15-SF (6,12,18) MK36 DECOY LOADEX	X	X	X		X	X	X	X	X	X	X	X		X	X			X	
C2W-16-2F (12,18,24) COORD CHAFF FIRING[8]	X	X	X		X	X	X	X	X	X	X	X		X	X			X	
C2W-30-SF (3,6,9) DCTA&R						X	X				X								

[1] CONDUCT ONCE PER WATCH SECTION.
[2] CONDUCT ONCE PER WATCH SECTION.
[3] CONDUCT DURING ALL GROUPSAILS/COMPTUEX/MEUEX.
[4] CONDUCT DURING ALL GROUPSAILS/COMPTUEX/MEUEX. COBLU/CDF/T-RDF EQUIPPED SHIPS ONLY.
[5] CONDUCT DURING ALL GROUPSAILS/COMPTUEX/MEUEX.
[6] CONDUCT DURING COMPTUEX/MEUEX. WALK THRU ONLY AUTHORIZED WHEN NCEA DENIED BY TYCOM. ACCOMPLISHING C2W-16-SF SATISFIES THIS REQUIREMENT.
[7] ACCOMPLISH DURING COMPTUEX FOR ALL EMBARKED AIRCRAFT.
[8] CONDUCT DURING COMPTUEX/MEUEX. WALK THRU ONLY AUTHORIZED WHEN NCEA DENIED BY TYCOM.

C2W EXERCISES-SHIPS

EXERCISES	AGF	AOE1	AOE6	ARS50	CG47	DDG963	DDG51	FFG7	LCC	LHA	LHD	LPD4	LPD17	LSD36	LSD41/49	LST	MCM	MCS	MHC51
C2W-31-SF (3,6,9) TACTICAL COLLECTION, ANALYSIS AND REPORTING					X	X	X				X								
C2W-33-SF (12,18,24) TACTICAL AIR TARGETING[9]						X	X				X								
C2W-37-SF (12,18,24) RDF SKYWAVE/GROUND PRESENTATION EXER [10]						X	X				X								

[9] COBLU/CDF/T-RDF EQUIPPED SHIPS ONLY. SATISFACTORY COMPLETION OF COBLU ADVANCED TEAM TRAINER COLT FULLFILLS THE REQUIREMENT FOR THIS EXERCISE. APPLIES TO COBLU ONLY.

[10] CONDUCT DURING ALL GROUP SAILS AND COMPTUEX.

CCC EXERCISES - SHIPS

EXERCISES	**AGF**	**AOE1**	**AOE6**	**ARS50**	**CG47**	**DD963**	**DDG51**	**FFG7**	**LCC**	**LHA**	**LHD**	**LPD4**	**LPD17**	**LSD36**	**LSD41/49**	**LST**	**MCM**	**MCS**	**MHC51**
CCC-1-SF (3,6,9) SYSCON FLT BCST	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
CCC-2-SF (6,12,18) COMM OP PLANNING	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
CCC-3-SF (6,12,18) HELO LVA CONTROL	X	X	X		X	X	X	X	X			X		X	X		X	X	X
CCC-4-SF (3,6,9) SYSCON SHIP TERM	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
CCC-5-SF (3,6,9) SYSCON SECURE VOICE	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
CCC-6-SF (3,6,9) R/T DRILLS	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
CCC-7-SF (3,6,9) TACTICAL MANEUVERS	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
CCC-8-SF (3,6,9) TTY CKT PROCEDURES	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
CCC-9-SF (3,6,9) FLAGHOIST	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
CCC-10-SF (3,6,9) FLASHING LIGHT	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
CCC-11-SF (3,6,9) SEMAPHORE	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
CCC-12-SF (6,12,18) IMITATIVE DECEPTION	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
CCC-13-SF (6,12,18) EAP EMERGENCY DISTRUCTION	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
CCC-14-SF (3,6,9) SYSCON QMS[1]	X	X	X		X	X	X	X	X	X	X	X		X	X		X	X	X
CCC-15-SF (3,6,9) NTDS INITIATION AND OPS					X	X	X	X	X	X	X								
CCC-16-SF (6,12,18) AEGIS DOCTRINE MANAGEMENT					X		X												
CCC-17-SF (3,6,9) LINK 11 FAST FREQ CHANGES					X	X	X	X	X	X	X							X	
CCC-18-SF (6,12, 18) TACINTEL COMM OPS[2]	X				X	X	X		X	X	X								
CCC-19-SF (12,24, 36) COMMS ASSESSMENT[3]	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
CCC-20-SF (6,12, 18) SYSCON SI TERM TTY/Z TERM[4]	X				X	X	X		X	X	X								

[1] SSQ-88 SHIPS ONLY
[2] TACINTEL SHIPS PERMANENTLY MANNED WITH CTs. DDG-51: APPLIES TO HULLS 72 AND LATER; FOR DD 963: APPLIES TO OUTBOARD SHIPS ONLY.
[3] TO BE EVALUATED BY ISIC
[4] SHIPS PERMANENTLY MANNED BY CTs.

CCC EXERCISES-SHIPS

EXERCISES	AGF	AOE1	AOE6	ARS50	CG47	DD963	DDG51	FFG7	LCC	LHA	LHD	LPD4	LPD17	LSD36	LSD41/49	LST	MCM	MCS	MHC51
CCC-21-SF (6,12, 18) SYSCON OPINTEL BCST/SI COM (N SYS)[5]	X				X	X	X		X	X	X								
CCC-22-SF (6,12, 18) SYSCON SPRAC NET[6]	X				X	X	X		X	X	X								
CCC-23-SF (3,6,9) CRITIC HANDLING EXERCISE[7]	X				X	X	X		X	X	X								
CCC-24-SF (3,6,9) SYSCON NB/WB SATCOM	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	
CCC-25-SF (3,6,9) SYSCON SHF SATCOM[8]	X				X				X	X	X								
CCC-26-SF (3,6,9) SYSCON EHF SATCOM[9]	X	X	X		X	X	X		X	X	X	X		X	X				
CCC-29-SF (3,6,9) OTCIXS/TADIX SYS EX					X	X	X	X	X	X	X	X						X	
CCC-30-SF (3,6,9) OTAT/OTAR	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
CCC-31-SF (3,6,9) SYSCON NAVMACS II[10]	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X

[5] SHIPS PERMANENTLY MANNED BY CTs.
[6] SHIPS PERMANENTLY MANNED BY CTs.
[7] SHIPS PERMANENTLY MANNED BY CTs.
[8] WHEN INSTALLED.
[9] WHEN INSTALLED.
[10] WHEN INSTALLED.

FSO-M EXERCISES - SHIPS

EXERCISES	**AGF**	**AOE1**	**AOE6**	**ARS50**	**CG47**	**DD963**	**DDG51**	**FFG7**	**LCC**	**LHA**	**LHD**	**LPD4**	**LPD17**	**LSD36**	**LSD41/49**	**LST**	**MCM**	**MCS**	**MHC51**
FSO-M-1-SF (3,6,9) BATTLE DRESSING STATION	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
FSO-M-2-SF (3,6,9) PERS CASUALTY TRANSPORT	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
FSO-M-3-SF (3,6,9) COMPOUND FRACTURES	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
FSO-M-4-SF (3,6,9) SUCKING CHEST WOUND	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
FSO-M-5-SF (3,6,9) ABDOMINAL WOUND	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
FSO-M-6-SF (3,6,9) AMPUTATION	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
FSO-M-7-SF (3,6,9) FACIAL WOUND	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
FSO-M-8-SF (3,6,9) ELECTRIC SHOCK	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
FSO-M-9-SF (3,6,9) MASS CASUALTY	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
FSO-M-10-SF(3,6,9) SMOKE INHALATION	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
FSO-M-11-SF(3,6,9) BURNS	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X

FSO-S EXERCISES - SHIPS

EXERCISES	AGF	AOE1	AOE6	ARS50	CG47	DD963	DDG51	FFG7	LCC	LHA	LHD	LPD4	LPD17	LSD36	LSD41/49	LST	MCM	MCS	MHC51
FSO-S-1-SF (4,8,12) DIVER REQUALIFICATION				X															
FSO-S-2-SF (6,12,18) SURFACE DECOMPRESSION				X															
FSO-S-3-SF (6,12,18) RECOMPRESSION CHAMBER TRAINING				X															
FSO-S-4-SF (4,8,12) DIVER STATION EMERGENCY				X															
FSO-S-5-SF (36,0,0) UNDERWATER HULL INSPECTION				X															
FSO-S-8-SF (6,12,18) UNDERWATER PHOTOGRAPHY				X															
FSO-S-9-SF (6,12,18) HAND-HELD SONAR TRAINING				X															
FSO-S-11-SF (6,1,18) UNDERWATER HYDRAULIC/ PNEWMATIC TOOL TRAINING				X															
FSO-S-12-SF (36,0,0) UNDERWATER CUTTING				X															
FSO-S-13-SF (36,0,0) UNDERWATER WELDING				X															
FSO-S-14-SF (12,18,24) UNDERWATER PATCH AND DE-WATER				X															
FSO-S-15-SF (6,12,18) SALVAGE PONTOON/LIFT BAG				X															
FSO-S-17-SF (36,0,0) DEMOLITION TRAINING				X															
FSO-S-18-SF (36,0,0) FMGS TRAINING				X															
FSO-S-19-SF (36,0,0) BEACH GEAR OPERATIONS				X															
FSO-S-20-SF (36,0,0) OFFSHIP FIREFIGHTING				X															
FSO-S-21-SF (12,18,24) PUMPING OPERATIONS				X															
FSO-S-22-SF (36,0,0) LIVERPOOL BRIDLE/RETRACTION				X															
FSO-S-23-SF (36,0,0) UNDERWAY TOW ALONGSIDE				X															
FSO-S-24-SF (36,0,0) RECOVERY SUBMERGED WEIGHT				X															
FSO-S-25-SF (36,0,0) HAWKING				X															

FSO-S EXERCISES - SHIPS

EXERCISES	**AGF**	**AOE1**	**AOE6**	**ARS50**	**CG47**	**DD963**	**DDG51**	**FFG7**	**LCC**	**LHA**	**LHD**	**LPD4**	**LPD17**	**LSD36**	**LSD41/49**	**LST**	**MCM**	**MCS**	**MHC51**
FSO-S-26-SF (36,0,0) MULITPLE POINT MOOR				X															

INT EXERCISES-SHIPS

EXERCISES	AGF	AOE1	AOE6	ARS50	CG47	DD963	DDG51	FFG7	LCC	LHA	LHD	LPD4	LPD17	LSD36	LSD41/49	LST	MCM	MCS	MHC51
INT-1-SF(MS)(1,2,3) INTEL COLL & REPTG TEAM	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
INT-1-SF(RP)(1,2,3) INTEL REPTG - LOCATORS	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
INT-1-SF(OP) (2,4,6) OPINTEL DATA COLL	X				X	X	X		X	X	X	X						X	
INT-2-SF(OP) (2,4,6) OPINTEL PLOT AND BRIEF	X				X	X	X		X	X	X	X						X	
INT-2-SF(RP) (2,4,6) INTEL REPTG - IIR	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
INT-3-SF(OP) (1,2,3) C2W/INFO WARFARE CONN	X								X	X	X	X							
INT-4-SF (RP) (12,18,24) SURVINTCOLEX[1]	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
INT-5-SF (RP) (4,8,12) INCSEA/DANGER MIL ACTS EXERCISE	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
INT-7-SF(MP) (4,8,12) INTEL SUPP TO PLANS FOR EVAC OPS									X	X	X	X						X	

[1] COMPLETE EVERY 18 MONTHS OR WITHIN 6 MONTHS OF DEPLOYMENT

LOG EXERCISES - SHIPS

EXERCISES	**AGF**	**AOE1**	**AOE6**	**ARS50**	**CG47**	**DD963**	**DDG51**	**FFG7**	**LCC**	**LHA**	**LHD**	**LPD4**	**LPD17**	**LSD36**	**LSD41/49**	**LST**	**MCM**	**MCS**	**MHC51**
LOG-3-SF (3,6,9) VERTREP		X	X																
LOG-4-SF (3,6,9) DAY U/W FUEL		X	X																
LOG-5-SF (3,6,9) NIGHT U/W FUEL		X	X																
LOG-6-SF (3,6,9) DAY U/W PROV		X	X																
LOG-7-SF (3,6,9) NIGHT U/W PROV		X	X																
LOG-8-SF (3,6,9) EMERG BREAKAWAY		X	X																

MIW EXERCISES-SHIPS

EXERCISES	AGF	AOE1	AOE6	ARS50	CG47	DD963	DDG51	FFG7	LCC	LHA	LHD	LPD4	LPD17	LSD36	LSD41/49	LST	MCM	MCS	MHC51
MIW-1-SF (1,2,3) MINESWEEPING MECHANICAL GEAR																	X		
MIW-2.5-SF (6,9,12) COMBO INFLUENCE MINESWEEPING[1]																	X		
MIW-4-SF (12,18,24) FORMATION SWEEP MOORED/INFLUENCE																	X		
MIW-4.1.1-SF (1,2,3) MINEHUNT - SEARCH																	X		X
MIW-4.1.2-SF (1,2,3) MINEHUNT-REACQUISITION																	X		X
MIW-4.1.3-SF (1,2,3) MINEHUNT - VDS																	X		X
MIW-4.1.4-SF (1,2,3) MINEHUNT SECONDARY PLOT																	X		X
MIW-4.4-SF (2,3,6) CONTACT MARKING																	X		X
MIW-4.7.1-SF (3,6,9) MNV OPS - MOORED MINES																	X		X
MIW-4.7.2-SF (3,6,9) MNV OPS - BOTTOM MINES																	X		X
MIW-4.7.3-SF (3,6,9) MNV OPS - LOW VIS																	X		X
MIW-8.7-SF (3,6,9) TRANSIT SWEPT CHANNEL	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X		X	
MIW-11.1-SF (3,6,9) ROUTE SURVEY OPS																	X		X
MIW-12-SF (3,6,9) Q-ROUTE MANUAL DATA COLLECTION																	X		X
MIW-X3-SF (3,6,9) SONAR COND CHECK[2]																	X		X
MIW-X14-SF (3,6,9) MINE AVOIDANCE[3]																	X		X
MIW-X15-SF (3,6,9) EOD DIVING DRILL[4]																	X		X
MIW-X16-SF (3,6,9) MIW ENVRNMNT RPTG[5]																	X		X

[1] ALL APPLICABLE MAGNETIC AND ACOUSTIC GEAR COMBINATIONS, AS DESIGNATED BY ISIC, SHALL BE DEMONSTRATED PRIOR TO REPORTING SATISFACTORY COMPLETION.
[2] CONDUCT IAW BULLETIN NR MIW-3
[3] CONDUCT IAW BULLETIN NR MIW-1
[4] CONDUCT IAW BULLETIN NR MIW-2
[5] CONDUCT IAW BULLETIN NR MIW-4

MOB-D EXERCISES - SHIPS

EXERCISES	**AGF**	**AOE1**	**AOE6**	**ARS50**	**CG47**	**DD963**	**DDG51**	**FFG7**	**LCC**	**LHA**	**LHD**	**LPD4**	**LPD17**	**LSD36**	**LSD41/49**	**LST**	**MCM**	**MCS**	**MHC51**
MOB-D-2-SF[1] (3,6,12) RELIEF OF VITAL STATIONS	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
MOB-D-3-SF (1,2,3) MANNING BATTLE STATIONS	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
MOB-D-4-SF (3,6,12) EMERG INTERIOR COMMS	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
MOB-D-5-SF (3,6,12) TOPSIDE DAMAGE[2]	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
MOB-D-6-SF (18,0,0) RIGHTING SHIP[3]	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
MOB-D-7-SF (6,12,18) PROV CASUALTY POWER	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
MOB-D-8-SF (6,9,12) MAJOR CONFLAG/FBP[4]	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
MOB-D-9-SF (3,6,9) MAIN PROP SPACE FIRE (INPORT)[5]	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
MOB-D-10-SF (6,12,18) RESCUE/ASSISTANCE (IN PORT/UNDERWAY)[6]	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
MOB-D-11-SF (3,6,12) SETTING MATERIAL COND:PHASE 1 YOKE, PHASE 2 ZEBRA[7]	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
MOB-D-12-SF (3,6,12) U/W HULL DAMAGE PH 1 AND 2.	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
MOB-D-13-SF (3,6,9) SHORING[8]	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
MOB-D-14-SF (1,2,3) FIRE EXTINGUISHING SMOKE CLEARING[9]	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X

[1] CONDUCT MOB-D-2-SF ICW ANY OF THE FOLLOWING: MOB-D-8, 9, 14 OR 15-SF.
[2] CONDUCT MOB-D-5-SF ICW ANY OF THE FOLLOWING: MOB-D-13,14 OR 15-SF.
[3] EXERCISE TO BE SUCCESSFULLY COMPLETED ONCE PRIOR TO DEPLOYMENT AT INTERVALS NOT TO EXCEED 18 MONTHS.
[4] SAMPLE MAJOR CONFLAGRATION SCENARIO CONTAINED IN STM BULLETIN 1201.
[5] EXERCISE TO BE SUCCESSFULLY COMPLETED BY EACH AUXILIARY STEAMING SECTION (WHEN NOT UNDERWAY) AND REPORTED AS ONE EXERCISE COMPLETION. UNDERWAY MAIN PROPULSION SPACE FIRE TRAINING REQUIREMENTS ARE DESCRIBED IN MOB-E SECTION UNDER MCBF.
[6] CONDUCTED BY EACH INPORT EMERGENCY TEAM AND DCRS (UNDERWAY). REPORTED AS ONE COMPLETION.
[7] CONDUCTED BY EACH INPORT EMERGENCY TEAM AND DCRS (UNDERWAY). REPORTED AS ONE COMPLETION.
[8] CONDUCTED BY EACH INPORT EMERGENCY TEAM AND DCRS (UNDERWAY). REPORTED AS ONE COMPLETION.
[9] CONDUCTED BY EACH INPORT EMERGENCY TEAM AND DCRS (UNDERWAY). REPORTED AS ONE COMPLETION.

MOB-D EXERCISES-SHIPS

EXERCISES	AGF	AOE1	AOE6	ARS50	CG47	DD963	DDG51	FFG7	LCC	LHA	LHD	LPD4	LPD17	LSD36	LSD41/49	LST	MCM	MCS	MHC51
MOB-D-15-SF (6,12,18) CHEMICAL ATTACK	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
MOB-D-17-SF (6,12,18) AVIATION FUEL SYS CASUALTY										X	X	X						X	
MOB-D-18-SF (3,6,12) A/C CRASH AND FIRE										X	X							X	
MOB-D-20-SF (3,6,12) ISOLATE/PATCH DAMAGED PIPE	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
MOB-D-21-SF (3,6,12) MAJOR FLOOD MAIN PROPULSION SPACE[10]	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
MOB-D-22-SF (3,6,12) HANGER DECK A/C FIRE										X	X							X	
MOB-D-24-SF (6,12,18) DARKEN SHIP	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
MOB-D-27-SF (1,2,3) HELO CRASH F/F	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X		X	
MOB-D-31-SF (3,6,9) TOXIC GAS[11]	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X

[10] CONDUCTED BY EACH INPORT EMERGENCY TEAM AND DCRS (UNDERWAY). REPORTED AS ONE COMPLETION.

[11] CONDUCTED BY EACH INPORT EMERGENCY TEAM AND DCRS (UNDERWAY). REPORTED AS ONE COMPLETION.

MOB-E EXERCISES - STEAM SHIPS

EXERCISES	AGF	AOE 1	LCC	LHA	LHD	LPD 4	LSD 36	MCS
MAIN ENGINE / SHAFTING FAMILY CORE DRILLS								
MHMEB (3,6,12) HOT BRG MAIN ENG	X	X	X	X	X	X	X	X
MLLOP (3,6,12) LOSS L/O PRESSURE MAIN ENGINE	X	X	X	X	X	X	X	X
MLVMC (3,6,12) LOSS VACUUM MAIN CONDENSER	X	X	X	X	X	X	X	X
MMLOL (3,6,12) MAJ L/O LEAK MAIN ENGINE	X	X	X	X	X	X	X	X
MAIN ENGINE / SHAFTING FAMILY ELECTIVE DRILLS								
MHLSB (3,6,12) HOT LINE SHAFT BRG	X	X	X	X	X	X	X	X
MJT (3,6,12) JAMMED THROTTLE	X	X	X	X	X	X	X	X
MLATL (3,6,12) LOSS AUTO THROTTLE								
MNVME (3,6,12) NOISE/VIBRATION MAIN ENGINE/SHAFT	X	X	X	X	X	X	X	X
BOILER FEEDWATER FAMILY CORE DRILLS								
MFBAC (3,6,12) FIRE BLR AIR CASE	X	X	X	X	X	X	X	X
MHBS (3,6,12) HEAVY BLACK SMOKE	X	X	X	X	X	X	X	X
MHBWL (3,6,12) HIGH WATER BOILER	X	X	X	X	X	X	X	X
MLBWL (3,6,12) LOW WATER BOILER	X	X	X	X	X	X	X	X
MLCA (3,6,12) LOSS CONTROL AIR	X	X	X	X	X	X	X	X
MLMFC (3,6,12) LOSS MAIN FEED CONTROL	X	X	X	X	X	X	X	X
MLWDT (3,6,12) LOW WATER DFT	X	X	X	X	X	X	X	X
MMFOL (3,6,12) MAJOR F/O LEAK	X	X	X	X	X	X	X	X
MWS (3,6,12) WHITE SMOKE	X	X	X	X	X	X	X	X
BOILER FEEDWATER FAMILY ELECTIVE DRILLS								
MBEX (3,6,12) BOILER EXPLOSION	X	X	X	X	X	X	X	X
MLOBF (3,6,12) LOSS BOILER FIRES	X	X	X	X	X	X	X	X
MRBT (3,6,12) RUPTURED BOILER TUBE	X	X	X	X	X	X	X	X
MRDFP (3,6,12) RUPTURED DFT PIPE	X	X	X	X	X	X	X	X

MOB-E EXERCISES - STEAM SHIPS

EXERCISES	AGF	AOE 1	LCC	LHA	LHD	LPD 4	LSD 36	MCS
ELECTRICAL FAMILY CORE DRILLS								
MHBTG (3,6,12) HOT BRG SSTG	X	X	X	X	X	X	X	X
MLLOPT (3,6,12) LOSS L/O PRESSURE SSTG	X	X	X	X	X	X	X	X
MLVAC (3,6,12) LOSS VACUUM AUX CONDENSER	X	X	X	X	X	X	X	X
ELECTRICAL FAMILY ELECTIVE DRILLS								
MCCFG (3,6,12) CLASS C FIRE GEN	X	X	X	X	X	X	X	X
MLOLT (3,6,12) L/O LEAK SSTG	X	X	X	X	X	X	X	X
MNVTG (3,6,12) UNUSUAL NOISE/ VIBRATION SSTG	X	X	X	X	X	X	X	X
INTEGRATED FAMILY CORE DRILLS								
MCBF (3,6,12) B FIRE MAIN SPACE	X	X	X	X	X	X	X	X
MCCFS (3,6,12) CLASS C FIRE SWBD	X	X	X	X	X	X	X	X
MCFED (3,6,12) CLASS C FIRE EDS	X	X	X	X	X	X	X	X
MLSC (3,6,12) LOSS STEERING CONTROL	X	X	X	X	X	X	X	X
INTEGRATED FAMILY ELECTIVE DRILLS								
MMF (3,6,12) FLOODING MAIN SPACE	X	X	X	X	X	X	X	X
MMSLR (3,6,12) MAJ STEAM LEAK	X	X	X	X	X	X	X	X

MOB-E EXERCISES - GAS TURBINE SHIPS

EXERCISES	AOE6	CG47	DD963	DDG51	FFG7
MAIN ENGINE DRILL FAMILY					
MBGTM (3,6,12) B FIRE GTM MOD	X	X	X	X	X
MCASF (3,6,12) GT COOL AIR SYSTEM FAILURE	X	X	X	X	X
MGGS (3,6,12) GG STALL GTM	X	X	X	X	X
MLPTO (3,6,12) LOW L/O PRESSURE GTM	X	X	X	X	X
MMFOL (3,6,12) MAJOR F/O LEAK	X	X	X	X	X
MPSFP (3,6,12) POST SHUTDOWN FIRE GTM	X	X	X	X	X
MAIN ENGINE DRILL FAMILY					
MECUF (3,6,12) EXEC CNTRL UNIT FAILURE		X	X		
MEPTV (3,6,12) PT VIBS HI GTM	X	X	X	X	X
MGGOS (3,6,12) GG OVERSPD GTM	X	X	X	X	X
MHTIT (3,6,12) PT INLET TEMP HI GTM	X	X	X	X	X
MLFOP (3,6,12) LOSS F/O PRESSURE MAIN ENGINE	X	X	X	X	X
MLPACC (3,6,12) LOSS OF PACC CONSOLE	X			X	
MLPLA (3,6,12) LOSS OF PLA GTM	X	X	X	X	X
MPCSF (3,6,12) PROG CONTROL FAILURE					X
MPTOS (3,6,12) PT OVERSPEED GTM	X	X	X	X	X
PROPULSION DRIVE TRAIN FAMILY					
MHBRG (3,6,12) HOT BRG RED GEAR	X	X	X	X	X
MHROT (3,6,12) HI REVERSE CONVERTER COUPLING OIL TEMP	X				
MLCRP (3,6,12) LOSS PITCH CONTROL		X	X	X	X
MLHOL (3,6,12) LEAK CRP/CPP SYS		X	X	X	X
MLLOL (3,6,12) MAJ L/O LEAK RED GEAR	X	X	X	X	X
MLLOPR (3,6,12) LOSS L/O PRESSURE REDUCTION GEAR	X	X	X	X	X
MRVF (3,6,12) REVERSE CONVERTER VANE FAILURE	X				
PROPULSION DRIVE TRAIN FAMILY					

MOB-E EXERCISES - GAS TURBINE SHIPS

EXERCISES	AOE6	CG47	DD963	DDG51	FFG7
MHLSB (3,6,12) HOT LINE SHAFT BRG	X	X	X	X	X
MLHOP (3,6,12) LOSS CRP/CPP PRESSURE		X	X	X	X
MLOLRC (3,6,12) MAJ LEAK REVERSE CONVERTER COUPLING	X				
MLOPRC (3,6,12) LOSS L/O PRESSURE REVERSE CONVERTER COUPLING	X				
MLSCU (3,6,12) LOSS SHAFT CONTROL UNIT	X			X	
MMTF (3,6,12) MODE TRANSITION FAILURE	X				
MNVRG (3,6,12) NOISE/VIBRATION MRG/SHAFT	X	X	X	X	X
MSBFU (3,6,12) SHAFT BRAKE EMERG ENGAGE[1]			X		
ELECTRICAL FAMILY					
MBFDG (3,6,12) B FIRE SSDG ENCL	X				X
MBGGM (3,6,12) B FIRE SSGTG MOD		X	X	X	
MDGOH (3,6,12) SSDG OVERHEAT	X				X
MHBGTG (3,6,12) HOT BRG GTG				X	
MLBWL (3,6,12) LOW WATER BOILER		X	X		
MLEPC (3,6,12) LOSS OF EPCC	X	X	X	X	X
MNVGG (3,6,12) UNUSUAL NOISE/ VIBRATION GTG		X	X	X	
MPSFG (3,6,12) POST SHUTDOWN FIRE GTG		X	X	X	
ELECTRICAL FAMILY					
MBPA (3,6,12) BOILER STEAM PRESSURE PART CARRIES AWAY		X	X		
MCCFG (3,6,12) CLASS C FIRE GEN	X	X	X	X	X
MGHIT (3,6,12) HI GT INLET TEMP GTG		X	X	X	
MHBDG (3,6,12) HOT BRG SSDG	X				X
MLGGO (3,6,12) LOSS L/O PRESSURE GTG		X	X	X	
MLSFC (3,6,12) LOSS STATIC FREQ CONVERTER		X			
MLSSG (3,6,12) LOSS OF S/S GEN	X				X

[1] NOT APPLICABLE TO SHIPS WITH SSS CLUTCHES

MOB-E EXERCISES - GAS TURBINE SHIPS

EXERCISES	**AOE6**	**CG47**	**DD963**	**DDG51**	**FFG7**
MOSGG (3,6,12) OVERSPEED SSGTG		X	X	X	
INTEGRATED FAMILY					
MCBF (3,6,12) B FIRE MAIN SPACE	X	X	X	X	X
MCCFS (3,6,12) CLASS C FIRE SWBD	X	X	X	X	X
MCFED (3,6,12) CLASS C FIRE EDS	X	X	X	X	X
MLSC (3,6,12) LOSS STEERING CONTROL	X	X	X	X	X
INTEGRATED FAMILY					
MLCWS (3,6,12) LOSS CHILL WATER	X	X	X	X	
MMF (3,6,12) FLOODING MAIN SPACE	X	X	X	X	X

MOB-E EXERCISES - DIESEL SHIPS

EXERCISES	ARS50	LSD41 LSD49	LST	MCM	MHC51
MAIN ENGINE DRILL FAMILY					
MDEGM (3,6,12) MPDE GOV MALF	X	X	X	X	X
MDGEO (3,6,12) MPDE OVERHEAT	X	X	X	X	X
MLACL (3,6,12) LOSS AIR CLUTCH MPDE	X		X	X	
MLMCS (3,6,12) LOSS MACHINERY PLANT CONTROL SYS		X			
MLCA (3,6,12) LOSS CONTROL AIR			X		
MLPCA (3,6,12) LOSS PROP CONTROL AIR		X			
MMFOL (3,6,12) MAJOR F/O LEAK	X	X	X	X	X
MAIN ENGINE DRILL FAMILY					
MDECE (3,6,12) MPDE CRANKCASE EXP	X	X	X	X	X
MLFOP (3,6,12) LOSS F/O PRESSURE MAIN ENGINE	X	X	X	X	X
MLLOP (3,6,12) LOSS L/O PRESSURE MAIN ENGINE	X	X	X	X	
MLLPVG (3,6,12) LOSS L/O PRESSURE MPDE/IFVG					X
MNVME (3,6,12) NOISE/VIBRATION MAIN ENGINE/SHAFT	X	X	X	X	
PROPULSION DRIVE TRAIN FAMILY					
MHBRG (3,6,12) HOT BRG RED GEAR	X	X	X	X	
MHTJB (3,6,12) HOT THRUST/JNL BRG					X
MLALC (3,6,12) LOSS AIR CLUTCH LLPM				X	
MLCRP (3,6,12) LOSS PITCH CONTROL	X	X	X	X	
MLCVSP (3,6,12) LOSS VSP PITCH CONTROL					X
MLHOL (3,6,12) LEAK CRP/CPP SYS	X	X		X	
MLHOP (3,6,12) LOSS CRP/CPP PRESSURE	X			X	
MLLOL (3,6,12) MAJ L/O LEAK RED GEAR	X	X	X	X	
MLLOPR (3,6,12) LOSS L/O PRESSURE REDUCTION GEAR	X	X	X	X	
MLOLVG (3,6,12) L/O LEAK MPDE/IFVG					X
MLVHOP (3,6,12) LOSS VSP PROP HOP					X

MOB-E EXERCISES - DIESEL SHIPS

EXERCISES	**ARS50**	**LSD41 LSD49**	**LST**	**MCM**	**MHC51**
MLVLOP (3,6,12) LOSS VSP PROP LOP					X
MLVOL (3,6,12) LEAK VSP LOP SYS					X
PROPULSION DRIVE TRAIN FAMILY					
MEDSL (3,6,12) ENG SHAFT LINE LOCK					X
MHBVG HOT IFVG BRG					X
MHLSB (3,6,12) HOT LINE SHAFT BRG	X	X	X	X	
MHPB (3,6,12) HOT PEDESTAL BRG			X		
MLMCC (3,6,12) LOSS MAIN CONTROL CONSOLE (MCC)				X	X
MNVMEDT (3,6,12) NOISE/VIBRATION MPDE/DT					X
MNVRG (3,6,12) NOISE/VIBRATION MRG/SHAFT	X	X	X	X	
ELECTRICAL FAMILY					
MDGGM (3,6,12) SSDG GOV MALF	X	X	X	X	X
MDGOH (3,6,12) SSDG OVERHEAT	X	X	X	X	X
MFOL SSDG FUEL OIL LEAK	X	X	X		
MHOTG (3,6,12) HI OIL TEMP GTG				X	
MLEPC (3,6,12) LOSS OF EPCC	X	X			
MLOLD (3,6,12) L/O LEAK SSDG					X
ELECTRICAL FAMILY					
MCCFG (3,6,12) CLASS C FIRE GEN	X	X	X	X	X
MDGCE (3,6,12) SSDG CRANKCASE EXP	X	X	X	X	X
MDGOL (3,6,12) SSDG OVERLOAD	X	X	X	X	X
MHBDG (3,6,12) HOT BRG SSDG				X	
MHETG (3,6,12) HI EXHST TEMP GTG				X	
MHPBG (3,6,12) HOT PED BRG SSDG		X			
MLFOPD (3,6,12) LOSS F/O PRESSURE SSDG	X		X	X	X
MLFOPT (3,6,12) LOSS F/O PRESSURE GT				X	

MOB-E EXERCISES - DIESEL SHIPS

EXERCISES	ARS50	LSD41 LSD49	LST	MCM	MHC51
MLGGO (3,6,12) LOSS L/O PRESSURE GTG				X	
MLLOPD (3,6,12) LOSS L/O PRESSURE SSDG	X		X	X	X
MLSSG (3,6,12) LOSS OF S/S GEN	X	X			
MNVDG (3,6,12) NOISE/VIBRATION SSDG	X	X	X	X	X
MPSFMG (3,6,12) MASTER MAGN PSDF				X	
MOSGG (3,6,12) OVERSPEED SSGTG				X	
INTEGRATED FAMILY					
MCBF (3,6,12) B FIRE MAIN SPACE	X	X	X	X	X
MCCFS (3,6,12) CLASS C FIRE SWBD	X	X	X	X	X
MCFED (3,6,12) CLASS C FIRE EDS	X	X	X	X	X
MLSC (3,6,12) LOSS STEERING CONTROL	X	X		X	
INTEGRATED FAMILY					
MMF (3,6,12) FLOODING MAIN SPACE	X	X	X	X	X
MPCSF (3,6,12) PROG CONTROL FAILURE	X			X	

MOB-N EXERCISES - SHIPS

EXERCISES	**AGF**	**AOE1**	**AOE6**	**ARS50**	**CG47**	**DD963**	**DDG51**	**FFG7**	**LCC**	**LHA**	**LHD**	**LPD4**	**LPD17**	**LSD36**	**LSD41/49**	**LST**	**MCM**	**MCS**	**MHC51**
MOB-N-1-SF (6,12,18) NAV IN EW ENVIRON	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
MOB-N-2-SF (3,6,9) OPEN OCEAN NAV	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
MOB-N-3-SF (6,12,18) CONNING AND STEERING AT SEC CONN					X	X			X	X	X	X		X	X	X		X	
MOB-N-4-SF (3,6,9) PILOTING BY GYRO	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
MOB-N-5-SF (6,12,18) PRECISION ANCHORING	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
MOB-N-6-SF (3,6,9) LOW VISIBILITY PILOTING	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
MOB-N-7-SF (3,6,9) PILOTING-LOSS OF GYRO	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
MOB-N-9-SF (3,6,9) LOSS OF STEERING	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
ISIC NAV ASSESSMENT (NAV CHECK RIDE)(15,18,24)[1]	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X

[1] ISIC SHALL CONDUCT NAVIGATION ASSESSMENT USING APPENDIX A TO NAVDORM, CNSL-CNSP-CNAP-CNALINST 3530.4A OF 12 MAR 99.

MOB-S EXERCISES-SHIPS

EXERCISES	AGF	AOE1	AOE6	ARS50	CG47	DD963	DDG51	FFG7	LCC	LHA	LHD	LPD4	LPD17	LSD36	LSD41/49	LST	MCM	MCS	MHC51
MOB-S-1-SF (12,18,24) ASTERN REFUELING																	X		X
MOB-S-2-SF (12,18,24) HEAVY WEATHER	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
MOB-S-3-SF (12,18,24) PRECISION ANCHORING	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
MOB-S-4-SF (12,18,24) MOOR TO BUOY	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
MOB-S-5-SF (18,12,24) MOOR ALONGSIDE PIER OR SHIP AT ANCHOR	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
MOB-S-6-SF (3,6,9) MAN OVERBOARD[1]	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
MOB-S-7-SF (12,18,24) PREPS ABANDON SHIP	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
MOB-S-8-SF (6,12,18) VERTREP	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X			
MOB-S-9-SF (12,18,24) U/W TRANSFER (SYNTHETIC HIGHLINE)	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
MOB-S-10-SF (6,12,18) U/W FUEL (DAY)	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X		X	
MOB-S-10-SF (6,12,18) U/W FUEL (NIGHT)	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X		X	
MOB-S-11-SF (6,12,18) EMERG BREAKAWAY	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
MOB-S-12-SF (12,18,24) TOW AND BE TOWED[2]	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
MOB-S-13-SF (3,6,9) HELO LAND/LAUNCH	X	X	X		X	X	X	X	X	X	X	X		X	X	X		X	
MOB-S-14-SF (12,18,24) SAREX	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X		X	
MOB-S-15-SF (12,18,24) HIFER					X	X	X	X											
MOB-S-16-SF (12,18,24) U/W PROV, REARM, MSL XFER	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X		X	
MOB-S-17-SF (12,18,24) A/C RECOVERY										X	X								
MOB-S-18-SF (12,18,24) GET U/W WITH DUTY SECTION[3]	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
MOB-S-25-SF (3,6,9) A/C ON DECK REFUEL	X	X	X		X	X	X	X	X	X	X	X		X	X	X		X	

1 CONDUCT BOAT AND SHIP RECOVERY AND REPORT AS ONE EXERCISE COMPLETION.
2 LCC, LHA, LHD WAIVED. LAY OUT GEAR FOR INSPECTION AND BRIEF.
3 THIS EXERCISE SHOULD BE CONDUCTED ICW PREDEPLOYMENT PREPS TO EXERCISE DEPLOYED DUTY SECTIONS.

MOB-S EXERCISES - SHIPS

EXERCISES	**AGF**	**AOE1**	**AOE6**	**ARS50**	**CG47**	**DD963**	**DDG51**	**FFG7**	**LCC**	**LHA**	**LHD**	**LPD4**	**LPD17**	**LSD36**	**LSD41/49**	**LST**	**MCM**	**MCS**	**MHC51**
MOB-S-33-SF (3,6,9) HOISTING AND LOWERING BOATS	X	X	X		X	X	X	X											
MOB-S-X3-SF (3,6,9) RESCUE SWIMMER[4]	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X

[4] CONDUCT IAW STM BULLETIN 1600-S3

NCO EXERCISES-SHIPS

EXERCISES	AGF	AOE1	AOE6	ARS50	CG47	DD963	DDG51	FFG7	LCC	LHA	LHD	LPD4	LPD17	LSD36	LSD41/49	LST	MCM	MCS	MHC51
NCO-1-SF (3,6,9) PREPS FOR ELEX SPACES	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
NCO-11-SF (3,6,9) CLASS C FIRE ELEX SP	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
NCO-12-SF (3,6,9) EQUIP CASUALTY REPAIR	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
NCO-15-SF (3,6,9) ALT POWER SOURCE	X	X	X		X	X	X	X	X	X	X	X		X	X	X	X	X	X
NCO-16-SF (12,18,24) ECC/ESS	X	X	X		X	X	X	X	X	X	X	X		X	X	X	X	X	X
NCO-19-SF (6,12,18) SMALL ARMS QUALS	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
NCO-28-SF (3,6,9) ROE	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
NCO-29-SF (12,18,24) DEFENSE VS U/W SWIMMERS	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
NCO-30-SF (1,2,3) SHIP PENETRATION-BASIC	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
NCO-32-SF (6,12,18) TERRORIST A/C ATTACK[1]	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
NCO-33-SF (6,12,18) SMALL BOAT ATTACK[1]	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
NCO-34-SF (6,12,18) BOMB THREAT	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
NCO-35-SF (6,12,18) HOSTAGE SITUATION[1]	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
NCO-36-SF (12,18,24) FLOATING DEVICE	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
NCO-38-SF (6,12,18) VBSS					X	X	X	X											

[1] CONDUCT MONTHLY WHEN DEPLOYED.

STW EXERCISES - SHIPS

EXERCISES	**AGF**	**AOE1**	**AOE6**	**ARS50**	**CG47**	**DD963**	**DDG51**	**FFG7**	**LCC**	**LHA**	**LHD**	**LPD4**	**LPD17**	**LSD36**	**LSD41/49**	**LST**	**MCM**	**MCS**	**MHC51**
STW-1-SF (3,6,9) MISSION DATA UPDATE[1]					X	X	X												
STW-2-SF (6,12,18) STRIKE ENVIRON SUP									X	X	X								
STW-21-A (6,12,18) SIM TLAM C/D LAUNCH[2]					X	X	X												

[1] CG-52 AND ABOVE. TOMAHAWK PROFICIENCY REQUIRES COMPLETION OF STW-1-SF AND STW-21-A.

[2] CG-52 AND ABOVE. TOMAHAWK PROFICIENCY REQUIRES COMPLETION OF STW-1-SF AND STW-21-A.

SUW EXERCISES-SHIPS

EXERCISES	**AGF**	**AOE1**	**AOE6**	**ARS50**	**CG47**	**DD963**	**DDG51**	**FFG7**	**LCC**	**LHA**	**LHD**	**LPD4**	**LPD17**	**LSD36**	**LSD41/49**	**LST**	**MCM**	**MCS**	**MHC51**
SUW-1-SF (3,6,9) COMBINED AIR/ SURFACE TRACKING	X	X	X		X	X	X	X	X	X	X	X		X	X			X	
SUW-2-SF (3,6,9) LONG RANGE PASSIVE TRACKING & TGTING					X	X	X	X											
SUW-9-SF (3,6,9) SURFACE TRACKING (NTDS)(AEGIS)[1]					X	X	X	X		X	X								
SUW-10-SF (3,6,9) OTH-T					X	X	X	X											
SUW-20-SF (3,6,9) CONV SURF TRACKING[2]				X												X	X		X
SUW-5-SF (12,15,18) HSMST					X	X	X	X											
SUW-7-SF (12,15,18) ALT/LCL CTRL LONG RANGE FIRE, HI SPD TARGET					X	X	X	X											
SUW-12-SF (6,12,18) VISUAL IDENT COUNTER	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
SUW-13-SF (6,12,18) ATTACK/REATTACK EXER FOR SSM SHIPS					X	X	X	X											
SUW-14-SF (6,12,18) SAG LAMPS TACTICS					X	X	X	X											
SUW-17-SF (6,12,18) HI SPD SURF ENGAGEMENT (MG)	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
SUW-18-SF (6,12,18) DATA BASE MGMT					X	X	X		X	X	X							X	
SUW-19-SF (6,12,18) HI SPD QUICKFIRE EXER					X	X	X	X											
SUW-1-I (6,12,18) OTH SURVEILLANCE, SEARCH & DETECTION					X	X	X	X											
SUW-2-I (6,12,18) SAG TACTICS W/FIXED WING A/C SUPPORT					X	X	X	X											
SUW-3-I (6,12,18) SUW FREEPLAY EXER					X	X	X	X											
SLAMEX (3,6,9)					X	X	X	X											

[1] TO BE CONDUCTED BY EACH CIC WATCH SECTION
[2] ONLY SHIPS WITH NO AIR SEARCH RADAR.

USW EXERCISES - SHIPS

EXERCISES	**AGF**	**AOE1**	**AOE6**	**ARS50**	**CG47**	**DDG963**	**DDG51**	**FFG7**	**LCC**	**LHA**	**LHD**	**LPD4**	**LPD17**	**LSD36**	**LSD41/49**	**LST**	**MCM**	**MCS**	**MHC51**
ASW-1-SF (3,6,9) SVTT LOADING					X	X	X	X											
ASW-2-SF (3,6,9) SONAR CASUALTY DRILL					X	X	X	X									X		X
ASW-6-SF (3,6,9) ACOUSTIC ENVIR PREDICTION					X	X	X	X									X		X
ASW-8-SF (3,6,9) ACTIVE TRACKING					X	X	X	X											
ASW-9-SF (3,6,9) ACTIVE MULTI-MODE TRACKING (LONG RANGE)					X	X	X	X											
ASW-11-SF (3,6,9) UNIDENT CONTACT REPORTING					X	X	X	X											
ASW-13-SF (3,6,9) PASSIVE TRACKING (SHORT RANGE)					X	X	X	X											
ASW-14-SF (3,6,9) ASW SEARCH					X	X	X	X											
ASW-15-SF (12,0,0) SUBMARINE FAMILIARIZATION					X	X	X	X											
ASW-18-SF (6,12,18) SVTT FIRING					X	X	X	X											
ASW-19-SF (24,0,0) RTT FIRING[1]					X	X	X												
ASW-23-SF (12,0,0) ASW AIRCRAFT VECTACS (SIM)					X	X	X	X											
ASW-24-SF (12,0,0) LAMPS VECTACS - WEAPON DROP					X	X	X	X											
ASW-28-SF (12,0,0) CZ AND BB OPERATIONS					X	X	X												
ASW-29-SF (3,6,9) INTERMEDIATE CONTACT MGMT AND MULTISENSOR OPERATION					X	X	X	X											
ASW-31-SF (24,0,0) CLOSE-IN SCREENING FOR SURFACE FORCE					X	X	X	X											
ASW-32-SF (24,0,0) PERIMETER SCREENING OF A SURFACE FORCE					X	X	X	X											
ASW-33-SF (24,0,0) BARRIER SEARCH/DEFEND AOA					X	X	X	X											
ASW-35-SF (24,0,0) COORDINATED ATTACK WITH TORPEDO EVASION					X	X	X	X											

[1] VLA CAPABLE SHIPS ONLY.

USW EXERCISES-SHIPS

EXERCISES	AGF	AOE1	AOE6	ARS50	CG47	DDG963	DDG51	FFG7	LCC	LHA	LHD	LPD4	LPD17	LSD36	LSD41/49	LST	MCM	MCS	MHC51
ASW-38-SF (24,0,0) CZ-EX (PASSIVE), CZ OPS, PASSIVE SONOBUOY TRACKING					X	X	X	X											
ASW-40-SF (24,0,0) HELO CONTROL IN THE ASW SCREEN					X	X	X	X											
ASW-41-SF (24,0,0) LAMPS III HELO CONTROL					X	X	X	X											
ASW-42-SF (24,0,0,) SHIP/FIXED WING COORD					X	X	X	X											
ASW-43-SF (24,0,0) LAMPS III/SHIP PASSIVE DETECT, LOCALIZATION, TRACK AND ATTACK					X	X	X	X											
ASW-45-SF (24,0,0,) ASW ENVIRON SUP BY OA DIV									X	X	X								
ASW-5-I (24,0,0) SHALLOW WATER EX					X	X	X	X											
ASW-8-I (24,0,0) CHOKE POINT TRANSIT					X	X	X	X											

AMW EXERCISES - UNITS

EXERCISES	**PHIBCB**	**LCU**	**LCM 8**	**LCAC**	**BEACHGRP**	**BCHPTY TM**	**TACRON**	**BARGE FERRY**	**MIUW UNIT**	**IBU**	**NIUWG STAFF**	**MDSD**	**FMDD**	**HDC UNIT**
AMW-10-SF (6,9,12) A/C BEACH RETRACT		X	X											
AMW-11-SF (3,6,9) SURF OBSERVATION						X								
AMW-14-SF (3,6,9) CARGO HANDLING FM L/C OVER BEACH		X	X											
AMW-17-SF (6,9,12) BEACHMASTER TRAFFIC CONTROL						X								
AMW-18-SF (6,9,12) BEACHMASTER SALVAGE						X								
AMW-19-SF (6,9,12) LOAD/UNLOAD CARGO/ VEHICLES OVER BEACH						X								
AMW-20-SF (6,9,12) LARC V WET WELL OPS						X								
AMW-22-SF (6,9,12) CAUSEWAY PIER OPS	X													
AMW-23-SF (6,9,12) OPEN WATER CAUSEWAY FLEXING								X						
AMW-24-SF (6,9,12) DEPLOY/RETRACT AABFS	X													
AMW-25-SF (6,12,18) LST CON AABFS	X	X												
AMW-26-SF (6,9,12) A/C ASSIST BEACHING			X											
AMW-41-SF (6,12,18) STERNGATE MARRIAGE BETWEEN LCUS		X												
AMW-43-SF (12,18,24) LCU DEPLOY/RETRACT BUOYANT AABFS		X												
AMW-44-SF (12,18,24) LCU TOWING/BEING TOWED[1]		X	X											
AMW-49-SF (6,9,12) ESTAB BEACHMASTER COMMAND POST						X								
AMW-50-SF (6,12,18) PHIBCB FIELD EXERCISE	X													
AMW-54-SF (3,6,9) LCAC MISSION PLANNING AND BRIEF				X										
AMW-55-SF (3,6,9) LCAC WELL DECK ARRIVAL AND DEPARTURE (DAY)				X										
AMW-56-SF (3,6,9) LCAC WELL DECK ARRIVAL AND DEPARTURE (NIGHT)				X										

[1] LCM-8 USE LCU EXERCISE UNTIL FXP-5 MODIFIED.

AMW EXERCISES-UNITS

EXERCISES	PHIBCB	LCU	LCM 8	LCAC	BEACHGRP	BCHPTY TM	TACRON	BARGE FERRY	MIUWU UNIT	IBU	NIUWG STAFF	MDSD	FMDD	HDC UNIT
AMW-57-SF (3,6,9) LCAC FORMATION FLYING				X										
AMW-59-SF (3,6,9) LCAC BEACH CROSSINGS/OVERLAND OPS (DAY)				X										
AMW-60-SF (3,6,9) LCAC BEACH CROSSINGS/OVERLAND OPS (NIGHT)				X										
AMW-63-SF (6,12,18) LCAC HARBOR TRANSIT USING FMT				X										
AMW-64-SF (6,12,18) LCAC HARBOR TRANSIT (DAY)				X										
AMW-65-SF (6,12,18) LCAC HARBOR TRANSIT (NIGHT)				X										
AMW-66-SF (6,12,18) LCAC OTH OPS (DAY)				X										
AMW-67-SF (6,12,18) LCAC OTH OPS (NIGHT)				X										
AMW-68-SF (6,12,18) LCAC SHORE OPS INDOC				X										
AMW-72-SF (12,18,24) CAMP CONSTRUCTION	X													
AMW-73-SF (12,18,24) INSERT/OPER/ RETRIEVE ELCAS[2]	X													
AMW-74-SF (12,18,24) ASSEMBLY/DISASSY RRDF	X													
AMW-75-SF (3,6,9) WATERBORNE MEDEVAC BY LCM-8			X											
AMW-76-SF (12,18,24) INSTAL/OPER/RETRO OF ELCAS-M	X													
AMW-77-SF (12,18,24) NBG MPF EXERCISE					X									
AMW-3-I (6,12,18) CLOSE AIR SUPPORT							X							
AMW-5-I (1,2,3) SACC AIR OPS							X							
AMW-10-I (3,6,9) TACCEX							X							
AMW-11-I (6,12,18) DIRECTION OF CLOSE SUPPORT							X							
AMW-17-I (6,12,18) SACCEX							X							

[2] PACFLT ONLY.

AMW EXERCISES - UNITS

EXERCISES	**PHIBCB**	**LCU**	**LCM 8**	**LCAC**	**BEACHGRP**	**BCHPTY TM**	**TACRON**	**BARGE FERRY**	**MIUW UNIT**	**IBU**	**NIUWG STAFF**	**MDSD**	**FMDD**	**HDC UNIT**
AMW-18-I (6,12,18) LOST PLANE/EMERG TANK ASSIST							X							
AMW-19-I (3,6,9) AIR INTERCEPT CONTROL							X							
AMW-20-I (6,12,18) CONTROL ASSAULT HELO, F/W A/C							X							
AMW-23-I (3,6,9) EMERGENCY DEFENSE OF THE AMPHIBIOU TASK FORCE							X							

AMW EXERCISES - UNITS

EXERCISES	**PHIBCB**	**LCU**	**LCM 8**	**LCAC**	**BEACHGRP**	**BCHPTY TM**	**TACRON**	**BARGE FERRY**	**MIUW UNIT**	**IBU**	**NIUWG STAFF**	**MDSD**	**FMDD**	**HDC UNIT**
AMW-10-SF (6,9,12) A/C BEACH RETRACT		X	X											
AMW-11-SF (3,6,9) SURF OBSERVATION						X								
AMW-14-SF (3,6,9) CARGO HANDLING FM L/C OVER BEACH		X	X											
AMW-17-SF (6,9,12) BEACHMASTER TRAFFIC CONTROL						X								
AMW-18-SF (6,9,12) BEACHMASTER SALVAGE						X								
AMW-19-SF (6,9,12) LOAD/UNLOAD CARGO/ VEHICLES OVER BEACH						X								
AMW-20-SF (6,9,12) LARC V WET WELL OPS						X								
AMW-22-SF (6,9,12) CAUSEWAY PIER OPS	X													
AMW-23-SF (6,9,12) OPEN WATER CAUSEWAY FLEXING								X						
AMW-24-SF (6,9,12) DEPLOY/RETRACT AABFS	X													
AMW-25-SF (6,12,18) LST CON AABFS	X	X												
AMW-26-SF (6,9,12) A/C ASSIST BEACHING			X											
AMW-41-SF (6,12,18) STERNGATE MARRIAGE BETWEEN LCUS		X												
AMW-43-SF (12,18,24) LCU DEPLOY/RETRACT BUOYANT AABFS		X												
AMW-44-SF (12,18,24) LCU TOWING/BEING TOWED[1]		X	X											
AMW-49-SF (6,9,12) ESTAB BEACHMASTER COMMAND POST						X								
AMW-50-SF (6,12,18) PHIBCB FIELD EXERCISE	X													
AMW-54-SF (3,6,9) LCAC MISSION PLANNING AND BRIEF				X										
AMW-55-SF (3,6,9) LCAC WELL DECK ARRIVAL AND DEPARTURE (DAY)				X										
AMW-56-SF (3,6,9) LCAC WELL DECK ARRIVAL AND DEPARTURE (NIGHT)				X										

[1] LCM-8 USE LCU EXERCISE UNTIL FXP-5 MODIFIED.

AMW EXERCISES-UNITS

EXERCISES	PHIBCB	LCU	LCM 8	LCAC	BEACHGRP	BCHPTY TM	TACRON	BARGE FERRY	MIUWU UNIT	IBU	NIUWG STAFF	MDSD	FMDD	HDC UNIT
AMW-57-SF (3,6,9) LCAC FORMATION FLYING				X										
AMW-59-SF (3,6,9) LCAC BEACH CROSSINGS/OVERLAND OPS (DAY)				X										
AMW-60-SF (3,6,9) LCAC BEACH CROSSINGS/OVERLAND OPS (NIGHT)				X										
AMW-63-SF (6,12,18) LCAC HARBOR TRANSIT USING FMT				X										
AMW-64-SF (6,12,18) LCAC HARBOR TRANSIT (DAY)				X										
AMW-65-SF (6,12,18) LCAC HARBOR TRANSIT (NIGHT)				X										
AMW-66-SF (6,12,18) LCAC OTH OPS (DAY)				X										
AMW-67-SF (6,12,18) LCAC OTH OPS (NIGHT)				X										
AMW-68-SF (6,12,18) LCAC SHORE OPS INDOC				X										
AMW-72-SF (12,18,24) CAMP CONSTRUCTION	X													
AMW-73-SF (12,18,24) INSERT/OPER/ RETRIEVE ELCAS[2]	X													
AMW-74-SF (12,18,24) ASSEMBLY/DISASSY RRDF	X													
AMW-75-SF (3,6,9) WATERBORNE MEDEVAC BY LCM-8			X											
AMW-76-SF (12,18,24) INSTAL/OPER/RETRO OF ELCAS-M	X													
AMW-77-SF (12,18,24) NBG MPF EXERCISE					X									
AMW-3-I (6,12,18) CLOSE AIR SUPPORT							X							
AMW-5-I (1,2,3) SACC AIR OPS							X							
AMW-10-I (3,6,9) TACCEX							X							
AMW-11-I (6,12,18) DIRECTION OF CLOSE SUPPORT							X							
AMW-17-I (6,12,18) SACCEX							X							

[2] PACFLT ONLY.

AMW EXERCISES - UNITS

EXERCISES	**PHIBCB**	**LCU**	**LCM 8**	**LCAC**	**BEACHGRP**	**BCHPTY TM**	**TACRON**	**BARGE FERRY**	**MIUW UNIT**	**IBU**	**NIUWG STAFF**	**MDSD**	**FMDD**	**HDC UNIT**
AMW-18-I (6,12,18) LOST PLANE/EMERG TANK ASSIST							X							
AMW-19-I (3,6,9) AIR INTERCEPT CONTROL							X							
AMW-20-I (6,12,18) CONTROL ASSAULT HELO, F/W A/C							X							
AMW-23-I (3,6,9) EMERGENCY DEFENSE OF THE AMPHIBIOU TASK FORCE							X							

AW EXERCISES-UNITS

EXERCISES	PHIBCB	LCU	LCM8	LCAC	BEACH GRP	BHPTY TM	TACRON	BARGE FERRY	MIUW UNIT	IBU	NIUWG STAFF	MDSD	FMDD	HDC UNIT
AAW-3-SF (3,6,9) RADAR/IFF TRACKING							X							
AAW-16-SF (24,0,0) LIVE AAWEX							X							
AAW-3-I (3,6,9) A/C CONTROL ACM							X							
AAW-4-I (3,6,9) LOST PLANE HOMING							X							
AAW-10-I (24,0,0) COORDINATED CAP/ MISSILE EMPLOYMENT							X							

C2W EXERCISES - UNITS

EXERCISES	**PHIBCB**	**LCU**	**LCM 8**	**LCAC**	**BEACHGRP**	**BCHPTY TM**	**TACRON**	**BARGE FERRY**	**MIUW UNIT**	**IBU**	**NIUWG STAFF**	**MDSD**	**FMDD**	**HDC UNIT**
C2W-3-SF (12,24,36) EXTENDED EMISSION CONTROL EXERCISE									X	X	X			X
C2W-4-SF (3,6,9) EMISSION CONTROL SETTING AND MODIFICATION									X	X	X			X
C2W-5-SF (3,6,9) SATELLITE VULNERABILITY EXERCISE									X	X	X			X

CCC EXERCISES-UNITS

EXERCISES	PHIBCB	LCU	LCM8	LCAC	BEACHGRP	BHPTYTM	TACRON	BARGEFERRY	MIUWUNIT	IBU	NIUWGSTAFF	MDSD	FMDD	HDCUNIT
CCC-1-SF (3,6,9) SYSTEM CONTROL – FLEET SATELLITE BROADCAST TYPE N									X		X			X
CCC-2-SF (6,12,18) COMMUNICATIONS OPERATIONAL PLANNING									X	X	X			X
CCC-4-SF (3,6,9) SYSTEM CONTROL – SHIP TERMINATION (B, C, D & G SYSTEMS)									X		X			X
CCC-5-SF (3,6,9) SYSTEM CONTROL – SECURE/NON-SECURE VOICE									X	X	X			X
CCC-6-SF (3,6,9) R/T DRILLS	X	X	X	X	X	X	X	X	X	X	X			X
CCC-8-SF (3,6,9) TTY CIRCUIT PROCEDURES									X		X			X
CCC-9-SF (3,6,9) FLAGHOIST		X												
CCC-10-SF (3,6,9) FLASHING LIGHT[1]		X				X								
CCC-11-SF (3,6,9) SEMAPHORE[2]		X				X								
CCC-12-SF (6,12,18) IMITATIVE DECEPTION	X	X	X	X	X	X	X	X						
CCC-13-SF (6,12,18) EMERGENCY DESTRUCTION	X	X	X	X	X	X	X	X	X	X	X			X
CCC-24-SF (3,6,9) SYSTEM CONTROL – NARROWBAND/WIDEBAND SATELLITE COMMUNICATIONS SYSTEM									X		X			X
CCC-25-SF (3,6,9) SYSTEM CONTROL – SHF SATELLITE COMMS											X			X
CCC-29-SF (3,6,9) OTCIXS / TADIX SYS EXERCISE									X		X			X
CCC-30-SF (3,6,9) SYSTEM CONTROL – OTAT/OTAR									X		X			X

[1] PACFLT ONLY
[2] PACFLT ONLY

EOD EXERCISES - UNITS

EXERCISES	**MCM**	**MOB**	**SHORE**[1]	**MMS MK 5/6**	**MMS MK 4/7**	**ASD**	**OCD**	**COMM**
EOD-CCC-1 (3,6,9) TACTICAL COMMS	X	X	X	X	X	X	X	X
EOD-CCC-2 (3,6,9) EMERGENCY DESTRUCTION	X	X	X	X	X	X	X	X
EOD-FSO-1 (3,6,9) IMP EXPLOSIVE DEVICE	X	X	X					
EOD-FSO-2 (3,6,9) CHEM/BIO ORD		X						
EOD-FSO-3 (3,6,9) CONV ORD	X	X	X				X	
EOD-FSO-4 (3,6,9) U/W ORD	X	X	X					
EOD-FSO-5 (3,6,9) DIVING STA EMERG	X	X	X				X	
EOD-FSO-6 (3,6,9) NUKE A/I		X	X					
EOD-FSO-7 LIMPET MINE PROC.	X	X	X					
EOD-FSO-8 RECOMPRESSION CHAMBER PROCEDURES	X	X	X	X	X		X	
EOD-FSO-9 DEMOLITION PROC.	X	X	X		X		X	
EOD-INT-1 (3,6,9) INTEL COLLECTION	X	X	X					
EOD-MIW-1 (3,6,9) MINE LOCATION	X	X			X			
EOD-MIW-2 (3,6,9) MINE NEUTRALIZATION	X	X[2]			X		X	
EOD-MIW-3 (3,6,9) MINE RECOVERY	X				X			
EOD-MIW-4 (3,6,9) INITIAL MINE TECHEVAL	X							
EOD-MIW-5 (3,6,9) DESTRUCTION OF FLOATING/DRIFTING MINES IN BG/ARG						X		
EOD-MIW-6 (3,6,9) SMALL CRAFT VECTORING	X					X		
EOD-MOB-1 (3,6,9) RAPID DEPLOYMENT	X	X			X	X	X	X
EOD-MOB-2 (3,6,9) PARACHUTE INSERTION		X[3]	X					
EOD-MOB-3 HIE PROCEDURES	X	X						

[1] EXERCISES FOR SHORE DETS WILL BE DETERMINED BY ROC/POE
[2] ONE MOBILE DETACHMENT PER MOBILE UNIT AS DETERMINED BY ROC/POE REQUIREMENTS
[3] ONE MOBILE DETACHMENT PER MOBILE UNIT AS DETERMINED BY ROC/POE REQUIREMENTS

EOD EXERCISES – UNITS

EXERCISES	MCM	MOB	SHORE[1]	MMS MK 5/6	MMS MK 4/7	ASD	OCD	COMM
EOD-MOB-4 HELO CAST AND RECOVERY PROC.	X	X						
EOD-MOB-5 LAND NAVIGATION	X	X						

FSO-M EXERCISES - UNITS

EXERCISES	**PHIBCB**	**LCU**	**LCM8**	**LCAC**	**BEACH GRP**	**BHPTY TM**	**TACRON**	**BARGE FERRY**	**MIUW UNIT**	**IBU**	**NIUWG STAFF**	**HDC UNIT**
FSO-M-2-SF (3,6,9) CASUALTY TRANSPORT		X	X	X					X	X	X	X
FSO-M-3-SF (3,6,9) FRACTURE	X	X	X	X	X	X		X	X	X	X	X
FSO-M-4-SF (3,6,9) CHEST WOUND	X	X	X	X	X	X		X	X	X	X	X
FSO-M-5-SF (3,6,9) ABDOMINAL WOUND	X	X	X	X	X	X		X	X	X	X	X
FSO-M-6-SF (3,6,9) AMPUTATION	X	X	X	X	X	X		X	X	X	X	X
FSO-M-7-SF (3,6,9) FACE WOUND	X	X	X	X	X	X		X	X	X	X	X
FSO-M-8-SF (3,6,9) SF ELECT SHOCK	X	X	X	X	X	X		X	X	X	X	X
FSO-M-10-SF (3,6,9) SMOKE INHALATION	X	X	X	X	X	X		X	X	X	X	X
FSO-M-11-SF (3,6,9) BURNS	X	X	X	X	X	X		X	X	X	X	X

FSO-S EXERCISES-UNITS

EXERCISES	PHIBCB	LCU	LCM8	LCAC	BEACH GRP	BHPTYTM	TACRON	BARGE FERRY	MIUWU UNIT	IBU	NIUWG STAFF	MDSD	FMDD	MDSU	HDC UNIT
MDSU-FSO-S-1-SF (4,8,12) DIVER REQUALIFICATION												X	X	X	
MDSU-FSO-S-2-SF (6,12,18) SURFACE DECOMPRESSION												X			
MDSU-FSO-S-3-SF (4,8,12) RECOMPRESSION CHAMBER TRAINING												X	X	X	
MDSU-FSO-S-4-SF (4,8,12) DIVER STATION EMERGENCY												X	X	X	
MDSU-FSO-S-5-SF (12,24,36) UNDERWATER HULL INSPECTION												X	X		
MDSU-FSO-6-SF (12,24,36) RUNNING GEAR CLEANING													X		
MDSU-FSO-7-SF (12,24,36) SONAR DOME INSPECTION AND REPAIR													X		
MDSU-FSO-S-8-SF (6,12,18) UNDERWATER PHOTOGRAPHY												X	X	X	
MDSU-FSO-S-9-SF (6,12,18) HAND-HELD SONAR TRAINING												X		X	
MDSU-FSO-10-S-SF (12,24,36) COFFERDAM INSTALLATION												X	X		
MDSU-FSO-S-11-SF (6,12,18) UNDERWATER HYDRAULIC/PNEWMATIC TOOL TRAINING												X	X		
MDSU-FSO-S-12-SF (12,24,36) UNDERWATER CUTTING												X	X		
MDSU-FSO-S-13-SF (12,24,36) UNDERWATER WELDING												X	X		
MDSU-FSO-S-14-SF (12,24,36) UNDERWATER PATCH AND DE-WATER												X	X		
MDSU-FSO-S-15-SF (6,12,18) SALVAGE PONTOON/LIFT BAG												X			
MDSU-FSO-S-16-SF (12,24,36) HARBOR CLEARANCE												X			
MDSU-FSO-S-17-SF (12,24,36) DEMOLITION TRAINING												X	X	X	
MDSU-FSO-S-18-SF (12,24,36) FMGS TRAINING												X		X	
MDSU-FSO-S-19-SF (12,24,36) BEACH GEAR OPERATIONS												X			
MDSU-FSO-S-20-SF (12,24,36) OFFSHIP FIREFIGHTING												X			
MDSU-FSO-S-21-SF (12,24,36) PUMPING OPERATIONS												X			

FSO-S EXERCISES - UNITS

EXERCISES	**PHIBCB**	**LCU**	**LCM8**	**LCAC**	**BEACH GRP**	**BHPTY TM**	**TACRON**	**BARGE FERRY**	**MIUWU UNIT**	**IBU**	**NIUWG STAFF**	**MDSD**	**FMDD**	**MDSU**	**HDC UNIT**
MDSU-CCC-1-SF (12,24,36) COMMAND,CONTROL,COMMUNICATIONS												X	X	X	
MDSU-MOB-1-SF (12,24,36) RAPID LOAD-OUT (AIR)												X	X	X	
MDSU-MOB-2-SF (12,24,36) RAPID LOAD-OUT (TRUCK)												X	X	X	
MDSU-MOB-3-SF (12,24,36) MDSU LOAD-OUT (SHIP)												X	X		

INT EXERCISES-UNITS

EXERCISES	PHIBCB	LCU	LCM 8	LCAC	BEACHGRP	BCHPTYTM	TACRON	BARGE FERRY	MIUWU UNIT	IBU	NIUWG STAFF	MDSD	FMDD	HDC UNIT
INT-1-SF (OP)(2,4,6) OPERATIONAL INTELLIGENCE DATA COLLECTION											X			X
INT-1-SF (RP) (1,2,3) INTELLIGENCE REPORTING – LOCATORS											X			X
INT-1-SF (IS) (2,4,6) INTELLIGENCE INFORMATION RETRIEVAL											X			X
INT-1-SF (MS) (1,2,3) INTELLIGENCE COLLECTION AND REPORTING TEAM											X			X
INT-2-SF (OP) (2,4,6) OPERATIONAL INTELLIGENCE PLOT AND BRIEF											X			X
INT-2-SF (RP) (2,4,6) INTELLIGENCE REPORTING AND IIR											X			X
INT-2-SF (IS) (6,12,18) JOINT DEPLOYABLE INTELLIGENCE SUPPORT SYS											X			X
INT-3-SF (OP) (1,2,3) C2W/INFO WARFARE CONNECTIVITY											X			X
INT-4-SF (RP) (6,12,18) SURVINTCOLEX											X			X

MOB-D EXERCISES - UNITS

EXERCISES	**PHIBCB**	**LCU**	**LCM8**	**LCAC**	**BEACH GRP**	**BHPTYTM**	**TACRON**	**BARGE FERRY**	**MIUWU UNIT**	**IBU**	**NIUWG STAFF**	**MDSD**	**FMDD**	**HDC UNIT**
MOB-D-1-SF (24,0,0) MESSING AT BATTLE STATIONS									X	X	X			X
MOB-D-2-SF(3,6,12) RELIEF OF VITAL STATIONS									X	X	X			X
MOB-D-3-SF(1,2,3) MANNING BATTLE STATIONS									X	X	X			X
MOB-D-L02 (3,6,9) FIRE EXT/SMOKE CLEARANCE[1]				X										
MOB-D-L03 (3,6,9) CRAFT FIRE IN WELL DECK[2]				X										
MOB-D-L05 (3,6,9) CARGO DECK FIRE[3]				X										
MOB-D-9-SF (3,6,9) MAIN SPACE FIRE		X								X				
MOB-D-11-SF (3,6,12) SETTING MATERIAL CONDITIONS		X								X				
MOB-D-12-SF (3,6,12) UNDERWATER HULL DAMAGE		X												
MOB-D-13-SF(3,6,9) SHORING		X								X				
MOB-D-14-SF (3,6,9) FIRE EXT/SMOKE CLEARANCE		X								X				
MOB-D-20-SF (3,6,12) ISOLATE/PIPE PATCH		X								X				
MOB-D-21-SF (3,6,9) MAJOR FLOOD PROPULSION SPACE		X								X				
MOB-D-23-SF (3,6,9) LOCATE DC FITTINGS		X												
MOB-D-24-SF (1,2,3) DARKEN SHIP		X								X				
MOB-D-28-SF (12,24,0) CBR WARFARE DEFENSE	X	X	X	X	X	X			X	X	X			X
MOB-D-29-SF (3,6,12) LARK V P-250 D/WATER						X								
MOB-D-30-SF (3,6,12) LCAC CARGO DECK FIRE				X										

[1] EXERCISE CONTAINED IN SEAOPS MANUAL
[2] EXERCISE CONTAINED IN SEAOPS MANUAL

MOB-E EXERCISES-UNITS

EXERCISES	PHIBCB	LCU	LCM8	LCAC	BEACH GRP	BHPTYTM	TACRON	BARGE FERRY	MIUWU UNIT	IBU	NIUWG STAFF	MDSD	FMDD	HDC UNIT
MOB-E-004-SF (3,6,9) JAMMED RUDDER		X	X							X				
MOB-E-005-SF (3,6,9) MAJOR FO LEAK		X	X					X		X				
MOB-E-007-SF (3,6,9) NOISE M.E./MRG								X		X				
MOB-E-011-SF (3,6,9) CLASS C FIRE SWBD		X							X	X	X			X
MOB-E-012-SF (3,6,9) CLASS C FIRE GEN		X							X	X	X			X
MOB-E-015-SF (3,6,9) LOSS CPP PITCH CONTROL				X										
MOB-E-016-SF (3,6,12) OVERHEATING DIESEL		X	X					X	X	X	X			X
MOB-E-L37 (3,6,9) LOSS OF GENERATOR[1]				X										
MOB-E-L41 (3,6,9) OVER TEMP/FIRE IN APU COMPARTMENT[2]				X										
MOB-E-110-SF (3,6,9) JAMMED THROTTLE								X		X				
MOB-E-200-SF (3,6,9) CRANKCASE EXPLOSION		X	X					X		X				
MOB-E-201-SF (3,6,9) SSDG CRANKCASE EXP		X							X	X	X			X
MOB-E-202-SF (3,6,9) NOISE/VIB MPDE		X						X		X				
MOB-E-203-SF (3,6,9) NOISE/VIB IN SSDG		X							X	X	X			X
MOB-E-204-SF (3,6,9) LOW/LOSS LO MPDE		X	X					X						
MOB-E-205-SF (3,6,9) LOSS/LOW PRESS SSDG		X							X	X	X			X
MOB-E-206-SF (3,6,9) LOSS LO PRESS/MP		X	X							X				
MOB-E-207-SF (3,6,9) LOSS FO PRESS SSDG		X							X	X	X			X
MOB-E-208-SF (3,6,9) MPDE GOV MALFUNCTION		X	X					X		X				
MOB-E-212-SF (3,6,12) GENERATOR OVERLOAD		X												

[1] EXERCISE CONTAINED IN SEAOPS MANUAL
[2] EXERCISE CONTAINED IN SEAOPS MANUAL

MOB-E EXERCISES - UNITS

EXERCISES	**PHIBCB**	**LCU**	**LCM8**	**LCAC**	**BEACH GRP**	**BHPTY TM**	**TACRON**	**BARGE FERRY**	**MIUW UNIT**	**IBU**	**NIUWG STAFF**	**MDSD**	**FMDD**	**HDC UNIT**
MOB-E-306-SF (3,6,12) POST SHUTDOWN FIRE/PTC				X										
MOB-E-307-SF (3,6,12) CLASS B FIRE TURB MODULE				X										
MOB-E-309-SF (3,6,12) GT OVERSPEED				X										
MOB-E-310-SF (6,12,18) PWR TURBINE OVERSPEED				X										
MOB-E-313-SF (3,6,12) CLASS B FIRE GTG MODULE				X										
MOB-E-317-SF (6,12,18) LOW LO PRESS GTG				X										
MOB-E-319-SF (3,6,12) POST SUTDOWN FIRE GTG				X										
MOB-E-328-SF (3,6,12) LOSS ME FO PRESS				X										

MOB-N EXERCISES-UNITS

EXERCISES	PHIBCB	LCU	LCM8	LCAC	BEACH GRP	BHPTY TM	TACRON	BARGE FERRY	MIUW UNIT	IBU	NIUWG STAFF	MDSD	FMDD	HDC UNIT
MOB-N-4-SF (6,9,12) PILOTING BY GYRO		X												
MOB-N-6-SF (3,6,9) LOW VIS PILOTING		X												
MOB-N-7-SF (3,6,9) LOSS OF GYRO		X												

MOB-S EXERCISES-UNITS

EXERCISES	**PHIBCB**	**LCU**	**LCM8**	**LCAC**	**BEACH GRP**	**BHPTY TM**	**TACRON**	**BARGE FERRY**	**MIUWU UNIT**	**IBU**	**NIUWG STAFF**	**MDSD**	**FMDD**	**HDC UNIT**
MOB-S-2-SF (12,24,36) HEAVY WEATHER										X				
MOB-S-3-SF (6,9,12) PRECISION ANCHORING		X		X						X				
MOB-S-4-SF (18, 12, 24) MOORING TO BUOY		X												
MOB-S-5-SF (3,6,9) MOORING TO PIER/SHIP		X	X					X		X				
MOB-S-6-SF (3,6,9) MAN OVERBOARD		X	X					X		X				
MOB-S-7-SF (6,12,18) PREP ABANDON SHIP		X								X				
MOB-S-12-SF (6,12,18) TOW AND BE TOWED				X						X				
MOB-S-14-SF (3,6,9) SAREX							X		X	X				
MOB-S-26-SF (3,6,9) MOUNT OUT SEL ELEM/DET	X				X		X	X						
MOB-S-27-SF (3,6,9) LARC ENTER LEAV SURF						X								
MOB-S-28-SF (3,6,9) LARC MAN OVERBOARD						X								
MOB-S-29-SF (3,6,9) LCM 8 EMERG RAMP RAISE						X								
MOB-S-31-SF (3,6,9) LCAC MAN OVERBOARD				X										
MOB-S-32-SF (6,9,12)) LCAC PREP ABANDON CRAFT				X										

NCO EXERCISES-UNITS

EXERCISES	PHIBCB	LCU	LCM 8	LCAC	BEACHGRP	BCHPTYTM	TACRON	BARGE FERRY	MIUWUNIT	IBU	NIUWG STAFF	MDSD	FMDD	HDC UNIT
NCO-4-SF (6,12,18) REPORT OF ELECTRONIC CASUALITES									X	X	X			X
NCO-5-SF (6,12,18) ELECTRONIC EQUIP REPAIR W/O LIGHTING									X		X			X
NCO-6-SF (6,12,18) USE OF INSTALLED SPARE FUSES									X	X	X			X
NCO-11-SF (6,12,18) CLASS “C” FIRE ELECTRONIC SPACES									X		X			X
NCO-12-SF (6,12,18) EQUIPMENT CASUALTY REPAIR									X		X			X
NCO-18-SF (3,6,9) SECURITY DRILLS									X	X	X			X
NCO-19-SF (12,24,36) SMALL ARMS QUALIFICATION										X	X			X
NCO-29-SF (12,24,36) DEFENSE AGAINST ATTACK BY UNDERWATER SWIMMERS									X	X	X			X
NCO-32-SF (12,24,36) TERRORIST AIRCRAFT ATTACK									X	X	X			X
NCO-33-SF (12,24,36) SMALL BOAT ATTACK										X	X			X
NCO-34-SF (12,24,36) BOMB THREAT											X			X
NCO-35-SF (12,24,36) HOSTAGE SITUATION									X	X	X			X
NCO-36-SF (12,24,36) FLOATING DEVICE									X	X				
NCO-37-SF (3,6,9) OPREP-3 MESSAGE PREPARATION AND REPORTING									X	X	X			X
NCO-38-SF (12,24,36) VBSS										X				

NSW EXERCISES - UNITS

EXERCISES	**PHIBCB**	**LCU**	**LCM 8**	**LCAC**	**BEACHGRP**	**BCHPTY TM**	**TACRON**	**BARGE FERRY**	**MIUW UNIT**	**IBU**	**NIUWG STAFF**	**MDSD**	**FMDD**	**HDC UNIT**
NSW B-1.02 (24,0,0) FORWARD BASE DEFENSE EXERCISE[1]										X				
NSW B-1.08 (24,0,0) DIRECT FIRE SUPPORT EXERCISE[2]										X				
NSW B-1.10 (3,6,9) CONTACT TRACKING EXERCISE										X				
NSW B-1.11 (24,0,0) HIGH SPEED ATTACK EXERCISE[3]										X				
NSW B-1.12 (6,12,18) CONVOY SUPPORT EXERCISE										X				
NSW B-1.14 (3,6,9) ENGAGE SURFACE CONTACT EXERCISE										X				
NSW B-1.15 (12,24,36) TARGET ILLUMINATION EXERCISE										X				
NSW B-1.16 (12,24,36) COMBAT FIRST AID / MEDICAL EVACUATION										X				
NSW B-1.17 (12,24,36) COMBAT SEARCH AND RESCUE EXERCISE										X				
NSW B-1.18 (12,24,36) LIVE FIRE SMALL ARMS PROFICIENCY EXERCISE										X				

[1] WHEN REQUIRED BY OPSKED AND/OR ISIC
[2] WHEN REQUIRED BY OPSKED AND/OR ISIC
[3] WHEN REQUIRED BY OPSKED AND/OR ISIC

SUW EXERCISES-UNITS

EXERCISES	PHIBCB	LCU	LCM 8	LCAC	BEACHGRP	BCHPTY TM	TACRON	BARGE FERRY	MIUW UNIT	IBU	NIUWG STAFF	MDSD	FMDD	HDC UNIT
SUW-9-SF (3,6,9) SURFACE TRACKING									X					
SUW-17-SF (12,24,36) SHORT RANGE, HIGH SPEED SURFACE ENGAGEMENT WITH MACHINE GUNS										X				
SUW-19-SF (12,24,36) HIGH SPEED, QUICKFIRE EXERCISE										X				

USW EXERCISES - UNITS

EXERCISES	**PHIBCB**	**LCU**	**LCM 8**	**LCAC**	**BEACHGRP**	**BCHPTY TM**	**TACRON**	**BARGE FERRY**	**MIUW UNIT**	**IBU**	**NIUWG STAFF**	**MDSD**	**FMDD**	**HDC UNIT**
ASW-3-SF (6,12,18) BASIC CONTACT MANAGEMENT AND MULTI-SENSOR CORRELATION									X					
ASW-6-SF (6,12,18) ACOUSTIC ENVIRONMENTAL PREDICTION									X					
ASW-11-SF (6,12,18) UNIDENTIFIED CONTACT REPORTING									X					
ASW-13-SF (6,12,18) PASSIVE TRACKING (SHORT RANGE)									X					
ASW-29-SF (24,0,0) INTERMEDIATE CONTACT MGMT AND MULTI-SENSOR CORRELATION									X					
ASW-33-SF (24,0,0) SEARCH/DEFEND OBJECTIVE AREA[1]									X					
ASW-37-SF (6,12,18) CONTACT MANAGEMENT AND MULTI-SENSOR CORRELATION									X					
ASW-5-I[2] (24,0,0) SHALLOW WATER EXERCISE									X					

[1] WHEN REQUIRED BY ISIC AND/OR OPSKED
[2] WHEN REQUIRED BY ISIC AND/OR OPSKED

APPENDIX B

TRAINING READINESS CAPPING

Ref: (a) NWP 1-03.3 (Status of Resources and Training System (SORTS))
(b) COMNAVSURFLANT/PACINST 3540.11 (Engineering Operations Assessment, Training, and Qualification for Conventionally Powered Surface Ships)

B-101. **General**. Due to the structuring of mission area training requirements, overall percentages of exercise completions often do not give a true indication of actual combat readiness. There are special requirements (e.g., weapons firings and use of live services) and circumstances (e.g., failure of a major operational inspection), whose importance should override the normal C/M-rating computation process. In the event one of these occurs, the normal training readiness calculation procedure (Chapter 5, Section 2) will continue; however, the SORTS-reported result will be no higher than the cap imposed. These overrides, discussed below, apply only to the training elements of the SORTS mission/ resource categories. For example, only two of three missile firings successfully completed will result in an M2 cap in the AW training M-rating, while being designated by ISIC for restricted operations due to failure to meet minimum propulsion plant readiness requirements for unrestricted operations will result in an M4 cap in the MOB training M-rating and a C4 cap in CRTNG.

B-102. **Mission Area Caps**

a. AMW. AMW readiness is dependent upon participation in two critical sequential training events: Amphibious warfare specialty training (individual ship training) and then participation in an amphibious exercise (multi-ship training). CRUDES AMW readiness is dependent upon completion of NSFS qualification/requalification.

(1) For CRUDES units, M-4 cap for failure or expired NSFS qualification (FIREX-I)/ requalification (FIREX-II), including newly commissioned ships which have not completed initial qualification, if AMW is a primary mission area.

(2) M-3 cap for failure to complete Amphibious Specialty Warfare Training in the case of amphibious units.

(3) M-2 cap for non-participation in a multi-ship amphibious exercise prior to scheduled deployment.

(4) Resume normal reporting upon clearing of the capping limitation. If a ship that has not had Amphibious Warfare Specialty Training participates in an amphibious exercise then successful participation will remove the M-3 cap.

b. AW

(1) M2 cap in AW if only 2 of 3 required missile firings successfully completed (CG, DDG, DD, LHD, FFG, AOE).

(2) M2 cap in AW if only 1 of 2 missile required firings successfully completed (LHA, LSD 41/49 with RAM).

(3) M2 cap if no firing of dual-purpose gun system in the last 90 days. (No specific exercise is required. Test firing/ PACFIRE will suffice.)

(4) M2 cap if no live air tracking is conducted in the last 90 days. (No dedicated services are required. Targets of opportunity are acceptable.)

(5) M3 cap if two of the above AW caps are applicable.

(6) M3 cap in AW if only 1 or none of 3 required missile firings successfully completed (CG, DDG, DD, FFG, AOE, LHD).

(7) M3 cap in AW if none of two required missile firings successfully completed (LHA, LSD 41/49 with RAM).

(8) Resume normal reporting upon clearing of the capping limitation.

c. C2W

(1) M2 cap if ESM detection and analysis exercise (C2W-2-SF) not conducted with live services in the last six months.

(2) M2 cap if live chaff firing exercise (C2W-11-SF) is not conducted during the IDTC.

(3) M2 cap if EW Assessment examination (C2W-14-SF) is not completed and/or a shipboard average of 70% is not achieved.

(4) Resume normal reporting upon clearing of the capping limitation.

d. CCC and MOB

(1) M2 cap if ship is not underway overnight in the last 30 days.

(2) M3 cap if ship is not underway overnight in the last 60 days.

(3) M3 cap if ISIC NAV Assessment has not been conducted in the last 18 months.

(4) Resume normal reporting upon clearing of the capping limitation.

e. MIW. MIW readiness is dependent upon participation in four critical sequential training events: MCM warfare specialty training, MIW evaluation, FEP, and participation in an integrated MCM exercise involving SMCM, AMCM, and EOD MCM assets.

(1) M3 cap for failure to complete MCM warfare specialty training.

(2) Failure to complete MIW evaluation is discussed in paragraph B-103.

(3) M2 cap for non-participation in a RONEX.

(4) Resume normal reporting upon clearing of the capping limitation. Successful participation in a RONEX will remove the M3 cap for a ship which has not completed MCM warfare specialty training.

f. STW.

(1) M-4 cap for failed or expired Cruise Missile Tactical Qualification including newly converted/commissioned ships which have not completed initial qualification.

g. SUW

(1) M2 cap if no live firing with ship's main gun battery in the last 90 days. (No specific exercise is required. Test firing/PACFIRE will suffice.)

(2) For lack of Cruise Missile Tactical Qualification: M3 cap for failure or expired qualification, including newly converted/commissioned ships which have not completed initial qualification.

(3) Resume normal reporting upon clearing of the capping limitation.

h. USW

(1) M2 cap if both the ASW-19-SF, RTT Firing, and the ASW-24-SF, LAMPS VECTAC Weapons Drop, have not been conducted in the last 12 months.

(2) M2 cap if no live active/passive contact, as defined in paragraph 6205.a.(4), in the last 90 days.

(3) M3 cap if the above two USW caps are applicable.

(4) M3 cap if the ASW-18-SF, SVTT Firing, has not been conducted for 12 months.

(5) Resume normal reporting upon clearing of the capping limitation.

B-103. **Inspection/Evolution/Certification Caps**. Reference (a) states that the failure of a major inspection will result in an initial M-rating of M4 for the appropriate mission area, and an initial C-rating of C4 in the training and/or equipment resource area as appropriate. As equipment and training deficiencies are corrected, mission and resource area status should be upgraded as appropriate.

a. For Restricted Operations (RO), as described in reference (b), in level of knowledge, fire fighting (training related), or operations failure: C4 in CRTNG and M4 in MOB mission area. Ships will retain the C4/M4 cap until ISIC certifies ship for unrestricted operations.

b. For failure to perform OCSOT/AAW Detect-to-Engagement:

(1) C4 in CRTNG and M4 in any mission area evaluated Unsatisfactory.

(2) Resume normal reporting upon satisfactory completion of OCSOT/AAW Detect-to-Engagement.

c. For failure to complete MIW evaluation:

(1) M4 cap in MIW.

(2) C4 cap in appropriate resource categories.

(3) Resume normal reporting upon successful completion of subsequent reinspection or reevaluation of failed areas.

B-104. In each of the above situations, the ship will continue normal TRNGREP reporting. It will make appropriate SORTS changes as occurring, provided those changes result in the mission area being at the capped level or at a lower M-rating. If the normal computation procedure makes the M-rating higher than the capped level, the capped level will be used for SORTS reporting purposes. If the normal computation procedure makes the M-rating lower than the capped level, the lower rating will be used. Reporting caps apply regardless of the training phase in which the ship is operating. In reporting capped mission area, the following reason codes will be assigned in Part I with amplifying Part II comments:

TIP - For cap due to inspection failure.
THH - For cap due to incomplete firing or proficiency test.
THF - For cap due to failed firing or proficiency test.
TZZ - For any other training-related cap.

For example, a CG 47 class ship which has completed 86% of its AAW training requirements (M1 training level), but has conducted only one of three required missile firings, is capped at M3. The ship must use M3 for AAW training (in SORTS computations) and report "THH" as the reason code. If the ship's training exercise percentage were 54.9% or below, the ship would be required to use M4 for training in SORTS calculations.

APPENDIX C

PRE-APPROVED EXERCISE EQUIVALENCIES

Ref: (a) COMNAVSURFLANT/PACINST 3502.3
(b) OPNAVINST 1500.71

C-101. **General**. The following matrix lists those exercises approved for readiness reporting under the type commanders' exercise equivalency program. This exercise equivalency program includes only scenarios run on own ship's systems whether generated from shore-based/mobile (van) scenario generators or embedded/on board scenario generators.

a. When accomplished via shore-based or mobile team training devices of the major fleet schools (e.g. FCTCs, FASWTCs, TACTRAGRUs, and ATGs), the exercises listed in these matrices are specifically pre-approved as equivalencies.

b. When accomplished by shipboard embedded/on board trainers, the exercises listed in these matrices are approved as equivalencies provided that approved scenarios (as listed in reference (a) warfare area bulletin for the scenario generator concerned) are used. Other scenarios must be approved by the ATG or the type commander.

C-102. As indicated in Article 6107, equivalencies will not be granted for actual weapons firings except as noted therein. In addition, specific exercises designated as readiness caps must be satisfactorily performed. Exercises claimed by equivalence will not remove or negate caps.

C-103. Included Scenario Generation Devices

a. Shore-based:

TACDEW	Tactical Advanced Combat Direction and Electronic Warfare System
ENWGS	Enhanced Navy Wargaming System
20B4	Mobile Combat Systems Trainer, Device 20B4
20B5	Mobile Combat Systems Trainer, Device 20B5
RAVIR	Radar Video Recorder

b. On board/embedded:

ACTS	AEGIS Combat Training System
E/RESS	Enhanced/Radar Environmental Simulator System, AN/USQ-93
VSS	Video Simulation System
SQQ89 OBT	AN/SQQ-89 On Board Training Device - using Trainer Control Device (TCD) for multi-ship scenarios.
T5/T6	Passive/Active AEGIS AN/SQS-53A Sonar Simulator
TEPEE	Tomahawk Engagement Planning Exercise Evaluator
EWOBT	S10H7 Electronic Warfare On Board Trainer (EWOBT)
USQ-T47	BFTT Electronic Warfare Trainer (BEWT)
EWTRAD	Electronic Warfare Training Readiness Assessment Device
MK92 SGP	MK 92 Scenario Generation Program (FFG 7 class)
NTCS-A RPT	Navy Tactical Communications System - Afloat Repeatable Performance Evaluation and Analysis Tool (tape recorder)
SQQ-91	Combat System Training System AN/SQQ-91 for LHD

SQQ-94	Combat System Training System AN/SQQ-94 for MCM
20E19	NGFS Training Device

C-104. Feedback regarding training deficiencies associated with shipboard/embedded training devices will be reported using Navy Training Feedback System Form described in reference (b) (Form OPNAV 1500/39).

EXERCISES EQUIVALENCIES

	SHORE					SHIPBOARD SCENARIO GENERATOR											
EXERCISES	**TACDEW**	**ENWGS**	**20B4**	**20B5**	**RAVIR**	**ACTS**	**E/RESS**	**VSS**	**SQQ89OBT**	**T5/T6**	**TEPEE**	**EWOBT/BEWT**	**EW/TRAD**	**NTCSA/RPT**	**20E19**	**MK92SGP**	**TCD**
AMW																	
AMW-1-SF NSFS REHEARSAL															X		
AMW-28-SF CONTROL SHIP/ SHORE MOVEMENT (DAY)	X	X															
AMW-5-I SACC AIR OPS	X																
AMW-18-I LOST PLANE/EMERG TANKING ASSIST	X																
AMW-20-I CONTROL ASSAULT HELO AND F/W A/C BY TACC	X																
AAW																	
AAW-2-SF LINK 11 OPS	X													X			
AAW-3-SF RADAR IFF TRACKING			X	X	X	X	X	X									
AAW-4-SF AA TGT DESIG AND ACQUISITION (N/F)			X	X		X	X									X	
AAW-6-SF S/S AIR TGT DETECT TRACK, DESIG & ACQ			X	X		X	X									X	
AAW-7-SF TACTICAL AAW	X		X	X	X	X	X									X	
AAW-10-SF ASMD (N/F)	X		X	X		X	X										
AAW-14-SF BVP/ADT			X	X		X	X	X									
AAW-15-SF INFO PROCEDURES			X	X	X	X	X	X									
AAW-17-SF INTRUSION/JAMMING	X																
AAW-3-I AIC	X		X	X	X	X	X	X									
AAW-4-I LOST PLANE HOMING	X		X	X	X	X	X	X									
AAW-5-I AA TGT DESIG/ACQ IN MULTI TGT ENV - CAP COORD			X	X		X	X									X	
AAW-6-I ECCM MECH JAMMING			X	X		X	X										

EXERCISES EQUIVALANCIES

	SHORE					SHIPBOARD SCENARIO GENERATOR											
EXERCISES	**TACDEW**	**ENWGS**	**20B4**	**20B5**	**RAVIR**	**ACTS**	**E/RESS**	**VSS**	**SQQ89OBT**	**T5/T6**	**TEPEE**	**EWOBT/BEWT**	**EW/TRAD**	**NTCSA/RPT**	**20E19**	**MK92SGP**	**TCD**
AAW-7-I ECCM-CAP COORD IN MECH JAMMING			X	X		X	X										
AAW-8-I TAC AAW CAP/MSL COORD			X	X		X	X										
AAW-9-I TAC AAW CAP/MSL COORD WITN C/M			X	X		X	X										
AAW-10-I COORD CAP/MSL EMPL	X		X	X	X	X	X	X									
AAW-11-I COORD CAP/MSL EMPL IN ECM ENVIRONMENT			X	X		X	X										
AAW-13-I CINTEX	X		X	X	X	X	X	X									
AAW-14-I A/C CONTROL - ASM PLATFORM/ASM INCPT	X		X	X		X											
C2W																	
C2W-2-SF EXT EMCON									X			X	X	X			
C2W-12-SF LAMPS III (ALQ 142) U/W DEMO									X								
CCC																	
CCC-3-SF HELO ELVA CONTROL			X	X	X												
CCC-5-SF SYSCON SECURE VOICE SYS	X																
CCC-6-SF RT DRILLS	X		X	X	X		X	X									
CCC-8-SF TTY CKT PROCEDURES	X																
CCC-12-SF IMITATIVE DECEPTION & JAMMING	X																
CCC-21-SF SYSCON OPINTEL BCST/SI COMM-N SYS		X															
CCC-28-SF LINK II OPTEST (LONG LOOK)		X															
SUW																	
SUW-1-SF COMBINED AIR/SURF TRACKING	X		X	X	X	X	X	X								X	

EXERCISES EQUIVALENCIES

	SHORE					SHIPBOARD SCENARIO GENERATOR											
EXERCISES	**TACDEW**	**ENWGS**	**20B4**	**20B5**	**RAVIR**	**ACTS**	**E/RESS**	**VSS**	**SQQ89OBT**	**T5/T6**	**TEPEE**	**EWOBT/BEWT**	**EW/TRAD**	**NTCSA/RPT**	**20E19**	**MK92SGP**	**TCD**
SUW-2-SF LONG RANGE PASSIVE TRACK & TARGETING			X	X													
SUW-10-SF OTH-T			X	X							X		X				
SUW-13-SF ATTACK/REATTACK EX FOR SSM SHIPS			X	X		X											
SUW-14-SF SAG LAMPS TACTICS	X			X									X				
SUW-20-SF CONV SURF TRACKING	X		X	X	X											X	
SUW-1-I OTH SURV, SEARCH & DETECTION				X		X											
SUW-2-I SAG TACTICS W/FW A/C SUPPORT				X		X											
USW																	
ASW-3-SF BASIC CONTACT MGMT						X			X	X							
ASW-8-SF ACTIVE TRACKING									X								X
ASW-9-SF ACTIVE MULTI-MODE LONG RANGE						X			X	X							X
ASW-11-SF INIDENT CONTACT REPORTING				X		X		X	X	X							X
ASW-13-SF PASSIVE TRACKING SHORT RANGE						X			X	X							
ASW-14-SF ASW SEARCH						X			X	X							X
ASW-16-SF CLOSE RANGE ATTACKS (SIM)						X			X	X							X
ASW-17-SF ANTI-TORPEDO APPROACH	X							X	X								X
ASW-21-SF PASSIVE TRACKING	X					X			X	X							
ASW-22-SF ASW SCREEN			X	X	X	X		X	X	X							X
ASW-23-SF ASW A/C VECTACKS	X		X	X	X	X		X	X	X							
ASW-26-SF MULTI-SHIP PASSIVE TRACKING																	X

EXERCISES EQUIVALANCIES

	SHORE					SHIPBOARD SCENARIO GENERATOR											
EXERCISES	**TACDEW**	**ENWGS**	**20B4**	**20B5**	**RAVIR**	**ACTS**	**E/RESS**	**VSS**	**SQQ89OBT**	**T5/T6**	**TEPEE**	**EWOBT/BEWT**	**EW/TRAD**	**NTCSA/RPT**	**20E19**	**MK92SGP**	**TCD**
ASW-27-SF LONG RANGE PASSIVE TRACKING	X			X		X		X	X	X							X
ASW-28-SF CZBB OPS	X					X			X	X							X
ASW-29-SF INTERMEDIATE CONTACT MGMT						X			X	X							
ASW-31-SF CLOSE-IN SCREEN SURV FORCE			X	X	X	X		X	X	X							X
ASW-32-SF PERIMETER SCREEN SURF FORCE			X	X	X	X		X	X	X							X
ASW-33-SF BARRIER SEARCH/ DEFEND OBJ AREA			X	X	X	X		X	X	X							X
ASW-35-SF COORD ATTACK W/EVASION						X		X		X							X
ASW-38-SF CZ-EX PASSIVE BUOY	X					X		X	X	X							
ASW-41-SF LAMPS III HELO CONTROL						X											
ASW-42-SF SHIP F/W A/C CONTROL			X	X	X	X		X									X
ASW-43-SF LAMPS III/SHIP ATTACK						X											
ASW-44-SF CZ/BB SEARCH & ATTACK									X								
ASW-2-I COORD DATUMEX	X								X								X
ASW-4-I OPPOSED SORTIE																	X

APPENDIX D

FORMAL SCHOOL REQUIREMENTS

Ref: (a) OPNAVINST 1500.71

D-101. This appendix contains minimum school graduate requirements for ships, staffs, and units of the Surface Forces. Class "A" schools, training to support NEC/NOBC requirements in unit manpower documents, factory training, and approved billet specialty training (i.e. pipeline training) are not included. LPD 17 class requirements will be addressed at a later date.

a. This appendix does not restrict commanding officers from sending additional eligible personnel to any available course or expanding formal school training to other applicable schools.

b. It is recognized that limited TADTAR resources may not permit accomplishment of all training requirements listed herein. Commanding officers may request TADTAR augmentation to complete training requirements; however, in the event of TADTAR shortfalls, commanding officers must prioritize training based on individual ship needs within existing funding resources.

D-102. Appendix D arranges courses in the following format:

a. Course number, course title.

b. Applicability and required graduates. These columns list the minimum graduates for each type unit.

c. Notes. The notes contain amplifying information.

D-103. Detailed information concenring most courses listed herein can be found in the Catalog of Navy Training Courses (CANTRAC), NAVEDTRA 10500 which is distributed on CD-ROM. It may also be viewed on the the CNET home page at http://www.cnet.navy.mil/netpdtc/cantrac/cantrac.htm.

D-104. Recommendations for changes to this listing should be forwarded to COMNAVSURFLANT (N81) or COMNAVSURFPAC (N83), via the chain of command. School quotas may be requested in accordance with guidelines set forth in the CANTRAC.

D-105. The Navy Training Feedback System will be used to identify, report and validate training deficiencies in accordance with reference (a). Training deficiencies that normally fall under this program include:

a. Individual has not been trained in skills required.

b. Individual has been trained in skills, but cannot perform them.

c. A training deficiency involving other broader issues.

D-106. The number of new C4ISR systems being placed aboard ships has created a unique training challenge. COMSPAWARSYSCOM and the Fleet CINC’s have teamed up to meet this challenge by creating a website that is roadmap to C4ISR training. The website is titled “Integrated Battle Force Training” (IBFT)

a. The SPAWAR IBFT provides C4ISR school requirements for the watchstanding positions required to operate and maintain the new C4ISR systems on ships within 30 months of deployment. This matrix is provided because experience has shown that with the substantial growth in C4ISR installations prior to each deployment, ships are having difficulty determining what training is required to support the new system installations, where the training is located, who provides quotas, and when the training is scheduled. This website allows ship's to identify

their new C4ISR training requirements early in the inter-deployment training cycle. This will enable ships to begin planning as early as possible to complete all formal C4ISR training requirements

b. The web page is located at http://c4iweb.spawar.navy.mil/04/ibft/

LEGEND: 1, 2, 3, etc - Number of course graduates required.
* - Course applies to unit indicated. Refer to note on same page.

AMW COURSES-SHIPS

COURSE INFORMATION	AGF	AOE1	AOE6	ARS50	CG47	DD963	DDG51	FFG7	LCC	LHA	LHD	LPD4	LPD17	LSD36	LSD41/49	LST	MCM	MCS	MHC51
K-2G-0037 AMPHIB WARFARE INDOC (5D)										3	3	3		3	3	3			
J-2G-0048 EXPEDITIONARY WARFARE STAFF PLANNING (5D)										3	3	3		3	3	3			
C-100-4176 AVIONICS CORROSION CONTROL (2D)										3	3								
J-113-0163 NSFS TM TRAINING/ MTT VISIT GWS MK34 (5D)							TM												
J-113-0167 BASIC NSFS TEAM TRAINING/MTT VST MK 86 (5D)					TM	TM													
J-221-0043 BOAT CONTROL/CIC TEAM TRAINING (5D)										TM	TM	TM		TM	TM	TM			
J-221-0319 AIR DIRECTION CONTROLLER (5D)		3							3	3	3	3		3	3				
C-222-2020 AMPHIB AIR TRAFFIC CONTROL CENTER TT (12D)										TM	TM							TM	
D-555-0001 IMRL COLLATERAL DUTY MANAGER (3D)										1	1								
D-555-0007 AERO TECH PUB LIBRARY MGMT (5D)										1	1								
C-600-3177 ACFT NICAD BATTERY MAINTENANCE & REPAIR (5D)										1	1								
C-600-3180 CORROSION CONTROL BASIC (2D)										2	2								
C-604-2023 SHIPBOARD MOGAS[1] (2D)										2	2	2				2			
C-604-2027 ABH REFRESH (AMPHIB)[2] (5D)										*	*	*						*	
C-821-2012 SHIPBOARD AVAIATION FUELS REFRESHER (10D)[3]										*	*	*							

[1] NOT REQUIRED IF SYSTEM HAS BEEN DEACTIVATED
[2] 50% OF ABH MANNING
[3] 70% PERSONNEL ASSIGNED TO THE AVIATION FUELS DIVISION.

AW COURSES - SHIPS

COURSE INFORMATION	**AGF**	**AOE1**	**AOE6**	**ARS50**	**CG47**	**DD963**	**DDG51**	**FFG7**	**LCC**	**LHA**	**LHD**	**LPD4**	**LPD17**	**LSD36**	**LSD41/49**	**LST**	**MCM**	**MCS**	**MHC51**
K-2G-0004 TACTICAL DATA SYSTEMS INTER-OPERABILITY (2D)[1]		X			X	X	X	X	X	X	X								
K-2G-0032 TACTICAL WARFARE OVERVIEW (5D)		1	1						2	3	3				3				
S-5A-0010 JMTAC (JOINT METEROLOGY AND TACTICS) (12D)	3								2	3	3								
A-150-0005 SSDS MK1 OPERATOR (19D)[2]						3					3								
A-150-0006 SSDS MK1 MAINTENANCE TECH (19D)[3]						2					2								
K-221-0044 (5D) J-221-2301 (12D) AIC PROF MAINT[4]					3	1	3	1											
K-221-0102 MK23 TAS OPERATOR[5] (12D)		3	3			3				3	3								
K-221-0124 MULTI-LINK OPERATOR (12D)	4				4	4	4	4	4	4	4							4	
J-221-0324 SHIP WARFARE COORD TACTICAL TRAINING[6] (19)					3	3	3	2											
A-221-0050 INTRO TO TACTICAL DIGITAL INFO LINKS (3D)	8				12	8	12	4		12	12								
S-221-4001 BATTLE GROUP MULTI TADIL TRAINING[7] (8D)	8				12	8	12	4		12	12								
JT-102 MULTI-TADIL ADVANCED JOINT INTEROPERABILITY (MAJIC) (15D)[8]					1		1			1	1								
T0025-9-01 FORCE AIR DEFENSE WARFARE COMMANDER[9] (5D)					TM		TM												

[1] TAUGHT ON REQUEST FOR DEPLOYING BATTLE GROUPS
[2] SSDS EQUIPPED SHIPS
[3] SSDS EQUIPPED SHIPS
[4] AS REQUIRED TO MAINTAIN PROFICIENCY DEFINED IN OPNAVINST 1211.2 (SERIES).
[5] LHA EQUIPPED WITH AN/SWY-2 SYSTEM
[6] THREE OFFICERS OR SENIOR ENLISTED
[7] TAILORED TOWARDS SPECIFIC BATTLE GROUP.
[8] FIFTHFLT AOR PREDEPLOYMENT TRAINING LOCATED AT FT MCPHERSON, ATLANTA, GA.
[9] TRAINING ARRANGED DIRECTLY WITH LOCAL AEGIS TRAINING AND READINESS CENTER DETACHMENT.

C2W COURSES-SHIPS

COURSE INFORMATION	AGF	AOE1	AOE6	ARS50	CG47	DD963	DDG51	FFG7	LCC	LHA	LHD	LPD4	LPD17	LSD36	LSD41/49	LST	MCM	MCS	MHC51
J-2G-0210 EWO SURFACE[1] (12D)	2	2	2		2	2	2	2	2	2	2	2		2	2	2		2	
K-2G-3003 C2W COMMANDER[2] (5D)					1	1				1	1								
J-221-0025 ENL TACTICAL APPLICATIONS[3] (12D)	3	2	2		3	3	3	3	4	3	3	3		3	3	2	2		
K-221-0176 SURFACE EW OPER JOURNEYMAN[4] (19)	*	*	*		*	*	*	*	*	*	*	*			*				
K-231-0106 BG CRYPTOLOGIC/INTEL TEAM TRAINING (5D)[5]					TM	TM	TM		TM		TM								
K-231-0137 COBLU 0 (ADV) TEAM TRAINER (5D)[6]						TM													
K-231-0139 COMBAT DF TEAM TRAINING (5D)[7]							TM				TM								
K-231-0145 COBLU 0 (INT) TEAM TRAINER[8] (5D)						TM													
K-231-0156 CCWS SSEE PHASE II[9] (5D)					TM														

1 OFFICER, EWC(S/M).
2 PAC ONLY.
3 EW, CT, OS, AND IS SUPERVISOR
4 3 MOS OPS EXPERIENCE IN AN EW BILLET,ALL EW'S (E3-E6) ONCE PER SEA TOUR.
5 PACFLT ONLY. COURSE SCHEDULE VIA BG N2/CRC. THIS IS A BG PARTICIPATION COURSE WITH ALL CRYPTOLOGIC AND/OR INTEL PERSONNEL FROM BG CAPABLE UNITS. TEAM INCLUDES DIVO/LCPO AND CTR PERSONNEL. DIVO/LCPO PARTICIPATION IS MANDATORY. COMPLETION OF CRG TRAINING AND COBLU (OUTBOARD)(ADV), CCWS, OR COMBAT DF TEAM TRAINING (AS APPLICABLE) REQUIRED AS PREREQUISITES.
6 TEAM INCLUDES DIVO/LCPO AND CTR PERSONNEL. DIVO/LCPO ATTENDANCE/ PARTICIPATION IS MANDATORY. SCEDULE WITH DEPLOYING CG47 CCSS TEAM TRAINER (K-231-0156). SUCCESSFUL COMPLETION OF CRG TRAINING AND INTERMEDIATE 7B4 TRAINING (K-231-0145) REQUIRED AS PREREQUISITES.
7 TEAM INCLUDES DIVO/LCPO AND CTR PERSONNEL. DIVO/LCOP ATTENDANCE IS MANDATORY. COMPLETION OF CRG TRAINING AND K-231-0180 REQUIRED AS PREREQUISITES. FOR DDG 51 CLASS, APPLIES TO HULLS 72 AND LATER.
8 TEAM INCLUDES DIVO/LCPO AND CTR PERSONNEL. DIVO/LCPO ATTENDANCE/ PARTICIPATION IS MANDATORY. FOR DDG 51 CLASS: HULLS 72 AND LATER.
9 TEAM INCLUDES DIVO/LCPO AND CTR PERSONNEL. DIVO/LCPO ATTENDANCE/ PARTICIPATION IS MANDATORY. SCHEDULE WITH OUTBOARD TEAM TRAINER (K-231-0145). SUCCESSFUL COMPLETION OF CRG TRAINING AND (K-231-0180) REQUIRED AS PREREQUISITES. REQUIRED WITHIN 90 DAYS OF DEPLOYMENT.

C2W C0URSES - SHIPS

COURSE INFORMATION	**AGF**	**AOE1**	**AOE6**	**ARS50**	**CG47**	**DDG963**	**DDG51**	**FFG7**	**LCC**	**LHA**	**LHD**	**LPD4**	**LPD17**	**LSD36**	**LSD41/49**	**LST**	**MCM**	**MCS**	**MHC51**
K-231-0180 SUPPLEMENTAL CRYPTOLOGIC TEAM TRAINING (5D)[10]					TM	TM	TM				TM								
K-231-1000 BASIC CRYPTOLOGIC AFLOAT TRNG (BCAT)[11] (5D)					TM	TM	TM		TM	TM	TM		TM						
K-231-1001 INT CRYPTOLOGIC AFLOAT TRNG (ICAT)[12] (10D)					TM	TM	TM		TM	TM	TM		TM						
K-231-1002 NON-MORSE CRYPTOLOGIC AFLOAT TRNG (NCAT)[13] (5D)					TM	TM	TM				TM								
A-233-0005 EW THREAT RECOGNITION[14] (12D)	*	*	*		*	*	*	*	*	*	*	*		*	*			*	
K-233-0211 EW MODULE MGR[15] (5D)	3	2	2		3	2	3	2	2	2	2	2		1	2				
K-260-1000 CRYPTOLOGIC COMM AFLOAT TRAINING (CCAT)[16] (3D)					TM	TM	TM		TM	TM	TM		TM						
(NO COURSE NR) KLIEGLIGHT (KL) REPORTING[17] (1D)					*	*	*		*		*								
(NO COURSE NR) STANDARD REPORT USING MODULE (STRUM)[18] (1D)					2	2	2		2		2								

[10] TEAM INCLUDES DIVO/LCPO AND CTR PERSONNEL. FOR DDG 51 CLASS: APPLIES TO HULLS 72 AND LATER.

[11] TEAM INCLUDES DIVO/LCPO AND CTR PERSONNEL. DIVO/LCPO ATTENDANCE/ PARTICIPATION IS MANDATORY. FOR DDG 51 CLASS: APPLIES TO HULLS 72 AND LATER.

[12] TEAM INCLUDES DIVO/LCPO AND CTR PERSONNEL. DIVO/LCPO ATTENDANCE/ PARTICIPATION IS MANDATORY. FOR DDG 51 CLASS: APPLIES TO HULLS 72 AND LATER.

[13] TEAM INCLUDES DIVO/LCPO AND CTR PERSONNEL. DIVO/LCPO ATTENDANCE/ PARTICIPATION IS MANDATORY. FOR DDG 51 CLASS: APPLIES TO HULLS 72 AND LATER.

[14] ALL STUDENTS MUST HAVE COMPLETED EW CLASS "A" SCHOOL OR MET THE REQUIREMENT FOR CHANGE-OF-RATE SET FORTH IN BUPERS INST 1430.16 (SERIES) WITH A MINIMUM OF THREE MONTHS OPERATIONAL EXPERIENCE IN AN EW BILLET. * ALL EW'S (E3-E6) ONCE PER SEA TOUR.

[15] ALL EW WATCH SUPERVISORS (E4 AND ABOVE) ON EW EQUIPPED SHIPS.

[16] DIVO/LCPO ATTENDANCE/PARTICIPATION IS MANDATORY. FOR ALL CTO ASSIGNED TO SHIPS WITH PERMANENT SSES. FOR DDG 51 CLASS: APPLIES TO HULLS 72 AND LATER.

[17] CTR SCHEDULE THROUGH CRYPTOLOGIC RESOURCE GROUP (CRG), NSGA NORTHWEST.

[18] CTR SCHEDULE THROUGH CRYPTOLOGIC RESOURCE GROUP (CRG), NSGA NORTHWEST.

CCC COURSES-SHIPS

COURSE INFORMATION	AGF	AOE1	AOE6	ARS50	CG47	DD963	DDG51	FFG7	LCC	LHA	LHD	LPD4	LPD17	LSD36	LSD41/49	LST	MCM	MCS	MHC51
J-2G-0966 NAVY OPSEC STAFF PLANNER (2D)[1]	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1
J-2G-2302 JMCIS AFLOAT MGR[2] (5D)	3	3	3		9	9	9	9	6	6	6	6		6	6		2	6	2
V-4C-0013 EKMS MANAGER[3] (12D)	2	2	2	2	2	2	2	2	2	2	2	2		2	2	2	2	2	2
K-121-0181 C4I SYSTEMS ENGINEERING (5D)	2	2	2		2	2	2	2	2	2	2	2		2	2	2	2	2	2
A-260-0050 OTCIXS/TADIXS OPERATOR (5D)	3				3	3	3	3	3	3	3	3					2	3	2
A-260-0051 AN/URC HF FREQUENCY RADIO GROUP OPERATOR (12D)					2		2			2									
A-260-0066 EHF SATCOM TERM OPER (12D)[4]	3				3	3	3		3	3	3								
A-670-0063 FIBER OPTIC MAINT TECHNICIAN [5] (5D)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
(NO CSE NR) (FTSC) EMI AWARENESS (1D)[6]	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1

[1] TRAINING WILL BE INCLUDED IN DEPARTMENT HEAD CURRICULUM AND WILL FULFILL THIS REQUIREMENT.
[2] REQUIRED FOR DEPARTMENT HEADS, CICO, TAOs, CICWOs, ASUWC WOs.
[3] REPLACES CMS CUSTODIAN (A-4C-0014). PER ALCOM 005/97, REQUIRED FOR CUSTODIAN AND PRIMARY ALTERNATE.
[4] SINGLE SITED SAN DIEGO. REQUIREMENT CAN BE MET BY GRADUATES OF A-260-0253 TRANSMISSION SYS TECH (RM-2379)
[5] IF FIBER OPTIC SYSTEM INSTALLED.
[6] REQUIRED FOR ALL SESS DIVO/LCPO/CTM. STEP COURSE EMI CONTROL (A-198-0001) SATISFIES THIS REQUIREMENT. SEE ANNEX D.

FSO C0URSES - SHIPS

COURSE INFORMATION	**AGF**	**AOE1**	**AOE6**	**ARS50**	**CG47**	**DDG963**	**DDG51**	**FFG7**	**LCC**	**LHA**	**LHD**	**LPD4**	**LPD17**	**LSD36**	**LSD41/49**	**LST**	**MCM**	**MCS**	**MHC51**
A-4J-0021 ENVIRONMENTAL PROT COORD AFLOAT (3D)	1			1	1	1	1	1	1			1		1	1	1	1	1	1
A-4J-0082 (2D) RESPIRATORY PROTECTION OFFICER[1] (2D)	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1
A-8B-0008 AFLOAT HAZMAT COORD (2D)	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1
B-300-1000 SURFACE FORCE MEDICAL INDOC (5D)	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1
B-322-1075 (EPMU) SHIPBOARD PEST MGMT[2] (2D)	2	2	2	2	2	2	2	2	2	2	2	2		2	2	2	2	2	2
B-322-2101/2102 (EPMU) FOOD SVC SANITATION CERT/RECERT[3] (4D/3D)	2	2	2	2	2	2	2	2	2	2	2	2		2	2	2	2	2	2
B-322-2130 (EPMU) HEALTH ASPECTS OF MARINE SANITATION DEV[4] (1D)	2	2	2	2	2	2	2	2	2	2	2	2		2	2	2	2	2	2
B-322-2209 (EPMU) MALARIA PREVENTION AND CONTROL[5] (1D)	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1
B-322-2210 (EPMU) LABORATORY ID OF MALARIA[6] (1D)	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1
B-322-2310 (EPMU) HEARING CONSERVATION AFLOAT[7] (1D)	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1
B-322-2320 (EPMU) HEAT STRESS AFLOAT[8] (1D)	4	4	4	4	4	4	4	4	4	4	4	4		4	4	4	4	4	4

[1] PER ART B0602 PARA (2), OPNAVINST 5100.19C. FOR DESIGNATED RPO. AVAIL BY PERIODIC MTT FROM NAVOSHENVTRACEN NORFOLK VA. AOE, LHA, LHD AND LPH CLASS SHIPS USE COI A-493-0072 INSTEAD.

[2] LEADING HM AND ONE MS - ANNUAL RECERT REQUIRED FOR MED DEPT PERSONNEL.

[3] MS OR LEADING HM - NAVMED P5010 REFERS. CERT/RECERT EVERY 3 YEARS. COI ALSO AVAIL FROM NAVHOSP YOKOSUKA.

[4] HM AND HT - NAVMED P5010 REFERS. COI ALSO AVAIL FROM NAVHOSP YOKOSUKA.

[5] IAW TYCOM PREDEPLOYMENT REQUIREMENTS (WESTPAC/IO). SHOULD BE TAKEN ICW B-322-2210

[6] IAW TYCOM PREDEPLOYMENT REQUIREMENTS (WESTPAC/IO). SHOULD BE TAKEN ICW B-322-2209

[7] COI NOT OFFERED BY EPMU-5 IN SAN DIEGO. EPMU 5 WILL PROVIDE “TRAIN-THE-TRAINER” ASSISTANCE TO SAN DIEGO BASED SHIPS IN LIEU OF COI.

[8] THREE ENGINEERING PERSONNEL AND ONE MEDICAL. COI ALSO AVAIL FROM NAVHOSP YOKOSUKA. COI NOT OFFERED BY EPMU-5 IN SAN DIEGO. EPMU 5 WILL PROVIDE “TRAIN-THE-TRAINER” ASSISTANCE TO SAN DIEGO BASED SHIPS IN LIEU OF COI.

FSO COURSES-SHIPS

COURSE INFORMATION	AGF	AOE1	AOE6	ARS50	CG47	DD963	DDG51	FFG7	LCC	LHA	LHD	LPD4	LPD17	LSD36	LSD41/49	LST	MCM	MCS	MHC51
A-493-0072 RESPIRATORY PROTECTION PROGRAM MANAGEMENT (5D)		1	1							1	1								
A-760-2166 SHIPBOARD ASBESTOS EMERG RESPONSE[9] (2D)	*	*	*	*	*	*	*	*	*	*	*	*		*	*	*	*	*	*
(NO COURSE NR) CARDIO-PULMONARY INSTRUCTOR TRAINING[10]	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1

[9] THREE PERSON TEAM REQUIRED FOR SHIPS NOT DECLARED ASBESTOS FREE.

[10] EACH SHIP SHALL HAVE A CERTIFIED CPR INSTRUCTOR ONBOARD IAW OPNAVINST 5100.19C ART B0705.C. BI-ANNUALLY, ALL MEDICAL DEPARTMENT PERSONNEL, GAS FREE ENGINEERS, SURFACE RESCUE SWIMMERS, STRETCHER BEARERS AND 50% OF ALL ELECTRICAL/ELECTRONICS ASSOCIATED RATING WILL RECEIVE CPR TRAINING ON BOARD AND BE CERTIFIED. DURING I-DIV AND ANNUALLY THEREAFTER, ALL OTHER CREW MEMBERS MUST RECEIVE TRAINING IN RESUSCITATION TECHNIQUES ONLY, CERTIFICATION NOT REQUIRED.

INT COURSES - SHIPS

COURSE INFORMATION	**AGF**	**AOE1**	**AOE6**	**ARS50**	**CG47**	**DDG963**	**DDG51**	**FFG7**	**JCC**	**LCC**	**LHA**	**LHD**	**LPD4**	**LPD17**	**LSD36**	**LSD41/49**	**LST**	**MCM**	**MCS**	**MHC51**
J-3A-1951 AFLOAT INTEL SYS MANAGER OVERVIEW[1] (5D)					1	1	1		2	2	1	2								
J-3A-0952 BATTLE GROUP INTEL REFRESHER (5D)[2]					1	1	1		1	1	1	1								
K-3A-5034 BASIC SHIPBOARD INTEL[3] (12D)	*	*	*	*	*	*	*	*					*		*	*	*	*		*
J-150-2957 GCCS-M INTEL CTR MGR (12D)									2	2	1	2								
J-150-2966 EXPEDITIONARY WARFARE INTEL (EWIC)[4] (17D)									1	1	1	1	1							
J-243-0974 INTEL PHOTO (5D)	2	2	2	2	2	2	2	2	2	2	2	2	2		2	2	2	2	2	2
K-243-0975 FLEET IMAGERY REFRESHER (5D)									1	1	1	1								
S-243-5045 (5D) JDISS BASIC OPERATOR[5]									6	6	4	6	1							
(NO COURSE NR) DIA COURSE IDBR (IDB-RETRIEVAL)[6]									3	3	2	3	1							
(NO COURSE NR) JDISS TACTICAL TROUBLE SHOOTING[7]									3	3	2	3	1							
(NO COURSE NR) PACIFIC THEATER INTEL ARCH COI[8]									*	*	*	*	*							

[1] REQUIRED FOR ALL ASSIGNED INTEL (1630) OFFICERS AND IS-3905 PERSONNEL.
[2] REQUIRED FOR ALL ASSIGNED INTEL (1630) OFFICERS AND IS-3905 PERSONNEL PRIOR TO DEPLOYMENT.
[3] SHIPBOARD COLLATERAL DUTY INTEL OFFICER PLUS ONE ENLISTED PER U/W WATCH SECTION (REQUIREMENT REDUCED BY ONE IF IS-3905 IS ASSIGNED TO SHIP), AND CRYPTO OFFICER FOR SHIPS WITH CT PERSONNEL ASSIGNED. COI IS AVAILABLE AS MTT.
[4] REQUIRED FOR ALL INTEL OFFICERS (1630) AND IS WATCH SUPS. NOT REQUIRED FOR PACFLT LPD-4.
[5] AN ADEQUATE NUMBER OF PERSONNEL SHALL RECEIVE THIS TRAINING IN ORDER TO SUPPORT ALL WATCH STATIONS. NOT REQUIRED FOR PACFLT LPD-4.
[6] PACFLT ONLY: AN ADEQUATE NUMBER OF PERSONNEL SHALL RECEIVE THIS TRAINING IN ORDER TO SUPPORT ALL WATCH STATIONS. NOT REQUIRED FOR PACFLT LPD-4.
[7] AN ADEQUATE NUMBER OF PERSONNEL SHALL RECEIVE THIS TRAINING IN ORDER TO SUPPORT ALL WATCH STATIONS. NOT REQUIRED FOR PACFLT LPD-4.
[8] PACFLT ONLY: REQUIRED FOR ALL INTEL (1630) OFFICERS ASSIGNED. COURSE IS AVAILABLE ON LINE AT www.jitap.pacom.smil.mil/online/jitapolt.htm.

LOG COURSES-SHIPS

COURSE INFORMATION	AGF	AOE1	AOE6	ARS50	CG47	DD963	DDG51	FFG7	LCC	LHA	LHD	LPD4	LPD17	LSD36	LSD41/49	LST	MCM	MCS	MHC51
J-060-0025 STREAM OPERATOR (12D)		36	36																
J-690-0077 FUEL PROBE AND CARGO DROP REEL MAINTENANCE (3D)		4	4																
G-690-0068 FORKLIFT TRUCK OPERATOR[1] (3D)		*	*						*	*	*	*		*	*	*			

[1] 1 PER FORKLIFT. G-690-0068 COI IS SINGLE SITED AT WILLIAMSBURG, VA. PAC SHIPS SHOULD ARRANGE FORKLIFT OPERATOR TRAINING WITH THE NEAREST PWC OR NSY PUGET SOUND FOR PNW AREA.

MIW COURSES - SHIPS

COURSE INFORMATION	**AGF**	**AOE1**	**AOE6**	**ARS50**	**CG47**	**DD963**	**DDG51**	**FFG7**	**LCC**	**LHA**	**LHD**	**LPD4**	**LPD17**	**LSD36**	**LSD41/49**	**LST**	**MCM**	**MCS**	**MHC51**
A-130-2567 OK-520/SQQ COMMON WINCH (5D)																	2		2
A-130-0938 AN/WQN-1 OPS/MAINT (5D)																	1		
A-647-0922 AN/SLQ-48 MNS HANDLING (12D)																	3		2
A-647-0930 AN/SLQ-48 MNS OPERATOR (10)																	4		2
A-2G-2758 MIW CORE[1]																	*	*	*
A-2G-2760 MIW PLANNING[2]																	*	*	*
A-2G-2764 MIW SPECIALITY[3]																	*	*	*
MIW PROSPECTIVE OFFICERS SERIES[4]																	*	*	*

[1] ALL LINE OFFICERS ASSIGNED
[2] ALL LINE OFFICERS ASSIGNED
[3] ALL LINE OFFICERS ASSIGNED
[4] ALL 1ST LT, OPERATIONS OFFICERS, CHIEF ENGINEERS

MOB-D COURSES-SHIPS

COURSE INFORMATION	AGF	AOE1	AOE6	ARS50	CG47	DD963	DDG51	FFG7	LCC	LHA	LHD	LPD4	LPD17	LSD36	LSD41/49	LST	MCM	MCS	MHC51
A-4G-0020 DCA (47D)	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1
K-495-0040 REPAIR PARTY LEADER[1] (12D)	*	*	*	*	*	*	*	*	*	*	*	*		*	*	*	*	*	*
K-495-0045 SHIPBOARD DC TRAINING[2] (2D)	*	*	*	*	*	*	*	*	*	*	*	*		*	*	*	*	*	*
K-495-0051 GAS FREE ENGINEER[3] (5D)	*	*	*	*	*	*	*	*	*	*	*	*		*	*	*	*	*	*
J-495-0412 GENERAL FIRE FIGHTING[4] (1D)	*	*	*	*	*	*	*	*	*	*	*	*		*	*	*	*	*	*
J-495-0413 AIRCRAFT FIRE FIGHTING[5] (1D)										*	*							*	
J-495-0414 HELO FIRE FIGHTING TEAM TRAINING[6] (1D)	*	*	*	*	*	*	*	*	*			*		*	*	*			
A-495-0416 GENERAL FIRE FIGHTING WITH SCBA (1D)[7]							*				*				*				
J-495-0418 FIRE FIGHTING TEAM TRAINING[8] (1D)	*	*	*	*	*	*	*	*	*	*	*	*		*	*	*		*	
J-495-0419 ADVANCED FIRE FIGHTING[9] (4D)	*	*	*	*	*	*	*	*	*	*	*	*		*	*	*	*	*	*

[1] ALL DAMAGE CONTROL REPAIR STATION (DCRS) OFFICERS AND REPAIR STATION LEADERS. SUBSTITUTE COURSES: A-4G-0020 AND A-495-2055.

[2] ALL DCRS TEAMS AND INPORT EMERGENCY TEAMS. K-495-0046 (DAMAGE CONTROL TEAM TRAINING) IS AN ACCEPTABLE SUBSTITUTE.

[3] GAS FREE ENGINEER, GAS FREE ENGINEER ASSISTANT, AND ONE GAS FREE PETTY OFFICER FOR EACH INPORT DUTY SECTION. A-4G-0020, A-495-2055 ARE AUTHORIZED SUBSTITUTES. SUBMARINE GAS FREE ENGINEER (B-322-2115) IS ALSO AN ACCEPTABLE SUBSTITUTE.

[4] ALL PERSONNEL. LIVE FIREFIGHTING IS REQUIRED EVERY 6 YEARS; ATTENDANCE AT COURSES J-495-0413/0414/0418 AND 0419 SATISFIES THE REQUIREMENT AND IS STRONGLY RECOMMENDED OVER REPEATING J-495-0412. SCBA EQUIPPED SHIPS SHOULD USE COURSE A-495-0416 INSTEAD OF THIS COURSE. COURSE A-495-2071 IS AN AUTHORIZED SUBSTITUTE FOR SHIPS STATIONED IN PACNORWEST.

[5] REQUIRED FOR FLIGHT DECK PERSONNEL, PILOTS, AIRCREW, AND PERSONNEL RECEIVING HAZARDOUS DUTY PAY ON LHA, LHD AND MCS ONLY, WHITHIN 6 MONTHS OF INITIAL ASSIGNMENT TO SHIP AND EVERY 4 YEARS THEREAFTER.

[6] ALL HELO TEAMS ON LPD AND SMALLER. REPEAT EVERY 24 MONTHS OR AT 40% OR GREATER TEAM PERSONNEL TURNOVER.

[7] THIS COURSE SHOULD BE USED IN LIEU OF J-495-0412 FOR SCBA EQUIPPED SHIPS.

[8] ALL DC REPAIR STATION TEAMS AND INPORT EMERGENCY TEAMS REPEAT ONCE PER IDTC (NOT MORE THAN 24 MONTHS BETWEEN COURSES).

[9] ALL SCENE LEADERS AND ALL REPAIR PARTY LEADERS.

MOB-D C0URSES - SHIPS

COURSE INFORMATION	**AGF**	**AOE1**	**AOE6**	**ARS50**	**CG47**	**DD963**	**DDG51**	**FFG7**	**LCC**	**LHA**	**LHD**	**LPD4**	**LPD17**	**LSD36**	**LSD41/49**	**LST**	**MCM**	**MCS**	**MHC51**
K-495-2179 FOAM GENERATING SYSTEM (5D)	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1

MOB-E COURSES-SHIPS

COURSE INFORMATION	AGF	AOE1	AOE6	ARS50	CG47	DD963	DDG51	FFG7	LCC	LHA	LHD	LPD4	LPD17	LSD36	LSD41/49	LST	MCM	MCS	MHC51
A-651-0019 BOILER WATER/ FEEDWATER TEST AND TREATMENT (BASIC)[1] (5D)	3	3							3	3	3	3		3				3	
A-651-0115 BOILER WATER/ FEEDWATER TEST AND TREATMENT SUP (5D)[2]	7	7							7	7	7	7		7				7	
J-651-0457 AUX BOILERS (5D)[3]			3												3	3			
J-651-0468 NAVY BULK PETROLEUM (2D)[4]		1	1																
K-652-0082 VACUUM COLL AND HOLDING SEWAGE TREATMENT PLANTS (5D)						3	3												
A-652-0172 FFG7 AUX ELECT SUBSYSTEMS (26D)								2											
A-652-0215 FFG7 AUX ELECT SYS (33D)								2											
A-652-0221 NON-PROP BW TEST AND TREATMENT[5] (4D)			5	4	5	5									6	6			
A-652-0500 SHIPBOARD GUAGE CAL 600#[6] (5D)	4	4	4	4	4	4	4	4	4	4	4	4		4	4	4	4	4	4
A-652-0241 AIR COOLED 60/400HZ STATIC FREQ CONVERTER MAINT[7] (19D)						2		2							2				
K-652-2196 OIL POLLUTION ABATEMENT EQUIP O&M (3D)	2	2	2	2	2	2	2	2	2	2	2	2		2	2	2	2	2	2
K-821-2142 PROP FUELS AND OILS AND JP5 SYS TESTING[8] (4D)	3	3	3	3	3	3	3	3	3	3	3	3		3	3	3	3	3	3

1 OIL LAB PERSONNEL
2 ENG OFF/MPA/EOOWS/BOILER OFF/OIL KING. SWOS DEPT HEAD COI SATISFIES THIS REQUIREMENT.
3 SHIPS WITH V2M WATERTUBE AUX BOILER.
4 LANTFLT AO/AOE ONLY.
5 ENG OFF/MPA/EOOWS/OIL KING/OIL LAB PERSONNEL.
6 NRF: 2 GRADUATES PER SHIP.
7 EM/IC/ET/EW
8 INCLUDES MATERIAL FROM CANCELLED COI K-821-2039/J-651-0466 (JP-5 AVIATION FUEL SYSTEM). MPA AND OIL LAB PERSONNEL SHOULD ATTEND.

MOB-N COURSES - SHIPS

COURSE INFORMATION	**AGF**	**AOE1**	**AOE6**	**ARS50**	**CG47**	**DDG963**	**DDG51**	**FFG7**	**LCC**	**LHA**	**LHD**	**LPD4**	**LPD17**	**LSD36**	**LSD41/49**	**LST**	**MCM**	**MCS**	**MHC51**
K-2G-0603 CELESTIAL NAV REFRESHER[1] (5D)	2	2	2	2	2	2	2	2	2	2	2	2		2	2	2	2	2	2
K-2G-2207 NAV/SENIOR QM REFRESHER[2] (12D)	2	2	2	2	2	2	2	2	2	2	2	2		2	2	2	2	2	2
J-221-0344 RADAR NAVIGATION TEAM TRAINING REFRESHER[3] (3D)	TM	TM	TM	TM	TM	TM	TM	TM	TM	TM	TM	TM		TM	TM	TM	TM	TM	TM

[1] NAVIGATOR AND SENIOR QUARTERMASTER TO ATTEND.
[2] NAVIGATOR AND SENIOR QUARTERMASTER TO ATTEND.
[3] EACH SHIP'S CIC/CDC RADAR NAV AND BRIDGE TEAM IS REQUIRED TO COMPLETE IAW CNSL/CNSP/CNAP/CNALINST 3540.4A (NAVDORM). NAV, CICO, RADNAV OFF, PILOTING OFF MUST ATTEND.

MOB-S COURSES-SHIPS

COURSE INFORMATION	AGF	AOE1	AOE6	ARS50	CG47	DDG963	DDG51	FFG7	LCC	LHA	LHD	LPD4	LPD17	LSD36	LSD41/49	LST	MCM	MCS	MHC51
E-2G-2002 SURFACE SAR OFFICER (5D)[1]	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1
K-060-2119 DOCKSIDE UNREP SIMULATOR[2] (2D)	X				X	X	X	X	X	X	X	X		X	X	X	X	X	X
K-060-2136 SURFACE RESCUE TEAM TRAINING AND EVALUATION[3] (1D)	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
K-060-2220 2ND CLASS SWIMMER TEST[4] (1D)	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
K-062-0625 RIB COXSWAIN[5] (5D)	*	*	*	*	*	*	*	*	*	*	*	*		*	*	*	*	*	*
K-062-0634 BASIC BOAT COXSWAIN[6] (5D)	*	*	*	*	*	*	*	*	*	*	*	*		*	*	*	*	*	*
K-221-2155 FUNDAMENTALS OF SAR (5D)	2	2	2	2	2	2	2	2	2	2	2	2		2	2	2	2	2	2
J-822-0039 BOATSWAIN MATE SUPERVISOR (10)					2	2	2	2											
(NO COURSE NR) (FTC/ATG) SRS SAR PROFICIENCY TRAINING[7]	2	2	2	2	2	2	2	2	2	2	2	2		2	2	2	2	2	2

[1] PAC ONLY. EXPORTABLE TO JAPAN ANNUALLY. HC-3 IS QUOTA CONTROL (619) 545-5404
[2] DRY HOOKUPS COUNT AS EQUIVALENCY
[3] PAC ONLY - DECK BOAT RECOVERY TEAM IAW OPNAVINST 3130.6A AND NWP 3-50.1 SHOULD BE ACCOMPLISHED DURING BASIC PHASE BUT NOT TO EXCEED 24 MONTHS.
[4] ALL BOAT CREW MEMBERS IAW MILPERSMAN 6610120. K-130-2138 CAN ALSO BE USED FOR CERTIFICATION.
[5] TWO PER CRAFT
[6] TWO PER CRAFT
[7] TWO HOURS EACH QUARTER OF IN-WATER TRAINING IS THE MINIMUM PROFICIENCY REQUIREMENT IAW OPNAVINST 3130.6 SERIES.

NCO C0URSES - SHIPS

COURSE INFORMATION	**AGF**	**AOE1**	**AOE6**	**ARS50**	**CG47**	**DDG963**	**DDG51**	**FFG7**	**LCC**	**LHA**	**LHD**	**LPD4**	**LPD17**	**LSD36**	**LSD41/49**	**LST**	**MCM**	**MCS**	**MHC51**
D-2G-0200 HELO CONTROL OFFICER (5D)	1	1	1	1	1	1	1	1	1					1	1	1		1	
A-4H-0002 JOINT FLEET QA OFFICER/ SUPV[1] (3D)	2	2	2	2	2	2	2	2	2	2	2	2		2	2	2	2	2	2
A-4J-0020 AFLOAT SAFETY OFFICER[2] (12D)	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1
S-5F-0014 LEGAL OFFICER[3] (30D)	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1
A-8B-0045 SUPPLY INDOCTRINATION FOR LINE OFFICERS (33D)				1													1		1
K-041-2048 MAG SPRINKLER OPS/REP (4D)	2	4	4		3	3	3	3	2	2	2	2		2	2	2	1	2	1
A-050-0001 COMMAND TRAINING TEAM INDOCTRINA-TION (4D)	2	2	2	2	2	2	2	2	2	2	2	2		2	2	2	2	2	2
K-070-9045 SHIPBOARD SECURITY ORIENTATION[4] (5D)	2	2	2	2	2	2	2	2	2	2	2	2		2	2	2	2	2	2
A-100-0076 AN/USM-646 TEST MEASUREMENT AND DIOGNOSTIC OPS/MAINT[5] (5D)	*	*	*	*	*	*	*	*	*	*	*	*		*	*	*	*	*	*
A-198-0056 FIELD CALIBRATION ACTIVITY MAINTENANCE[6] (18D)	2		2		2	2	2		2	2	2	2		2	2	2		2	
A-493-2099 SAFETY PROGRAMS AFLOAT[7] (5D)	*	*	*	*	*	*	*	*	*	*	*	*		*	*	*	*	*	*
P-500-0020 PO1 LEADERSHIP[8] (12D)	*	*	*	*	*	*	*	*	*	*	*	*		*	*	*	*	*	*
P-500-0021 CPO LEADERSHIP[9] (12D)	*	*	*	*	*	*	*	*	*	*	*	*		*	*	*	*	*	*

[1] EQUIVALENT IS SUBMARINE QA OFF/SUPV 1A-4H-0146
[2] TRAINING INCLUDED IN DEPARTMENT HEAD CURRICULUM WILL FULFILL THIS REQUIREMENT.
[3] NOT REQUIRED IF JAG OFFICER ASSIGNED (DESIG 2500)
[4] COMMAND PHYSICAL SECURITY OFFICER MUST ATTEND. AVAIL THRU VTT AND MTT.
[5] 2 GRADS PER STATION
[6] EITHER 2 COI GRAD AND / OR NEC ET-1589 ON BOARD SATISFIES REQUIREMENT.
[7] 50% OF ALL DESIGNATED DIVISION SAFETY PETTY OFFICERS SHALL RECEIVE THIS TRAINING. FOR PAC SHIPS, COI OFFERED VIA VTT AT SDIEGO, BANGOR, PHBR, AND EVERETT.
[8] ALL E-6 MUST COMPLETE PRIOR TO ADVANCEMENT TO E-7. THIS COI REPLACES P-500-0034

NCO COURSES-SHIPS

COURSE INFORMATION	AGF	AOE1	AOE6	ARS50	CG47	DDG963	DDG51	FFG7	LCC	LHA	LHD	LPD4	LPD17	LSD36	LSD41/49	LST	MCM	MCS	MHC51
P-500-0025 PO2 LEADERSHIP[10] (12D)	*	*	*	*	*	*	*	*	*	*	*	*		*	*	*	*	*	*
P-501-0060 DAPA (5D)	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1
A-542-0013 DK TRAVEL[11] (12D)	2	2	2		2	2	2	2	2	2	2	2		2	2	2		2	
A-542-0014 DK FISCAL PROCESSES[12] (12)	2	2	2		2	2	2	2	2	2	2	2		2	2	2		2	
A-557-0001 JOINT FLEET QA INSPECTOR[13] (5D)	6	6	6	2	2	2	2	2	6	1 2	1 2	8		6	4	2	2	1 2	2
D-600-0506 LANDING SIGNALMAN ENLISTED (5D)	2	2	2		2	2	2	2	2	1 2	1 2	4		2	4	2		2	
A-800-0027 FS MGMT AUTOMATED RECORDS KEEPER (11D)	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1
J-830-0010 ANTI-TERRORISM TRAINING OFFICER[14] (2D)	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1
J-830-0015 FORCE PROTECTION OFFICER[15] (5D)	2	2	2	2	2	2	2	2	2	2	2	2		2	2	2	2	2	2
A-830-0020 VBSS/MIO PROCEDURES (5D)					2 TM	2 TM	2 TM	2 TM											
K-830-2213 SHIP SECURITY ENGAGEMENT TACTICS (5D)	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2		1 2	1 2	1 2	1 2	1 2	1 2
K-830-2223 SHIP SECURITY ENGAGEMENT WEAPONS (5D)	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2		1 2	1 2	1 2	1 2	1 2	1 2
A-831-0003 BRIG STAFF AFLOAT[16] (12D)										*	*								
(NO COURSE NR) ADAMS MANAGER/SUP[17]	*	*	*	*	*	*	*	*	*	*	*	*		*	*	*	*	*	*

[9] ALL E-7 MUST COMPLETE PRIOR TO ADVANCEMENT TO E-8. THIS COI REPLACES P-500-0036

[10] ALL E-5 MUST COMPLETE PRIOR TO ADVANCEMENT TO E-6.

[11] COMPLETION COI A-542-0015 SATISFIES THIS REQUIREMENT.

[12] COMPLETION COI A-542-0015 SATISFIES THIS REQUIREMENT.

[13] EQUIVALENT IS SUBMARINE QA INSPECTOR (A-4H-0146)

[14] NOT REQUIRED IF TWO GRADUATES OF FPO COI (K-830-0015) ARE ON BOARD. THIS COI IS THE FIRST 2 DAYS OF THE FPO COI.

[15] FORCE PROTECTION OFFICER MUST ATTEND. SECOND GRADUATE IS DESIREABLE, BUT ATTO COI (J-830-0010) GRAD MAY SUBSTITUTE.

[16] SEE OPNAVINST 1640.8 TO DETERMINE NUMBER OF GRADUATES. NUMBER VARIES DEPENDING ON NUMBER OF NEC 9575 ASSIGNED.

NCO C0URSES - SHIPS

COURSE INFORMATION	**AGF**	**AOE1**	**AOE6**	**ARS50**	**CG47**	**DDG963**	**DDG51**	**FFG7**	**LCC**	**LHA**	**LHD**	**LPD4**	**LPD17**	**LSD36**	**LSD41/49**	**LST**	**MCM**	**MCS**	**MHC51**
(NO COURSE NR) COSAL/USE/MAINT LOCAL ILO SITE	20	20	20	6	20	20	20	10	20	20	20	20		15	15	15	6	20	6
(NO COURSE NR) PREVENT[18]	*	*	*	*	*	*	*	*	*	*	*	*		*	*	*	*	*	*
(NO COURSE NR) SHIPBOARD TRAINING TEAM (SBTT) (4D)[19]	*	*	*	*	*	*	*	*	*	*	*	*		*	*	*	*	*	*
(NO COURSE NR) STANDARDIZATION OF SHIPBOARD REPO COPY EQUIP MAINT TECH TRAINING[20]	*	*	*	*	*	*	*	*	*	*	*	*		*	*	*	*	*	*
(NO COURSE NR) TYCOM PCO/PXO AVIATION BRIEF (1D)	2	2	2	2	2	2	2	2	2	2	2	2		2	2	2		2	

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[17] CO/XO/CMC ATTEND MANAGER COURSE. E-7 AND ABOVE ATTEND SUPERVISOR.

[18] REF OPNAVINST 5350.4B. 10% OF CREW MUST ATTEND, NOT TO INCLUDE CREW MEMBERS ATTNEDING DUE TO ALCOHOL INCIDENT.

[19] TO BE CONDUCTED 6 -12 WEEKS PRIOR TO CART II BY ITT LEADER, TEAM LEADERS AND TEAM MEMBERS. INSTRUCTION PROVIDED/SCHEDULED BY ATG.

[20] 1 PER EQUIPMENT TYPE IAW SSRE COMMERCIAL SUPPORT CONTRACT.

SUW COURSES-SHIPS

COURSE INFORMATION	AGF	AOE1	AOE6	ARS50	CG47	DDG963	DDG51	FFG7	LCC	LHA	LHD	LPD4	LPD17	LSD36	LSD41/49	LST	MCM	MCS	MHC51
J-041-0103 AMMO ADMIN (5D)	1	5	5	1	2	2	2	2	1	2	2	2		2	2	2	1	2	1
J-041-0145 .50 CAL OPS/MAINT[1] (4D)	*	*	*	*	*	*	*	*	*	*	*	*		*	*	*	*	*	*
K-041-2236 MK38 25MM MG OPS/MAINT[2] (10D)	*	*	*	*	*	*	*	*	*	*	*	*		*	*	*	*	*	*
J-113-0133 HARPOON CANISTER HANDLING[3] (1D)					TM	TM	TM												
J-121-0524 TOMAHAWK WATCH OFFICER[4] (19D)					3	3	3												
J-041-0104 ROLMS (5D)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

[1] TWO GRADUATES PER MOUNT FOR UNITS EQUIPPED.
[2] TWO GRADUATES PER MOUNT FOR UNITS EQUIPPED. (GUNS MAY BE PERMANENTLY INSTALLED OR SCHEDULED FOR TEMPORARY INSTALLATION FROM ROTATIONAL POOL ASSETS.
[3] MIN TEAM SIZE 12 PERSONNEL
[4] VLS EQUIPPED SHIPS ONLY.

USW C0URSES - SHIPS

COURSE INFORMATION	**AGF**	**AOE1**	**AOE6**	**ARS50**	**CG47**	**DDG963**	**DDG51**	**FFG7**	**JCC**	**LCC**	**LHA**	**LHD**	**LPD4**	**LPD17**	**LSD36**	**LSD41/49**	**LST**	**MCM**	**MCS**	**MHC51**
K-2E-4634 SINGLE SHIP ASW[1] (12D)					TM	TM	TM	TM												
K-2E-4635 TASK GROUP ASW TEAM TRAINING[2] (5D)					TM	TM	TM	TM												
K-2G-0539 ASW EVALUATOR[3] (26D)					2	2	2	2												
K-2G-2502 COORDINATED ASW (5D)					2	2	2	2												
K-050-2131 LAMPS AVIATION ORDNACE HANDLING (4D)[4]					TM	TM	TM	TM												
J-123-0568 MK32 SVTT OPS/MAINT (11D)					2	2	2	2												
K-130-0074 AN/UQN-4 SONAR SOUNDING SET OPS/MAINT[5] (5D)	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1
K-130-0213 AN/WQC-2 OPS/MAINT[6] (5D)				1	1	1	1	1										1		1
K-130-1074 BASIC ACOUSTIC ANALYSIS REFRESHER (BAAR)[7] (12D)					*	*	*	*												
K-130-1075/1130 AN/SLQ-25/25A OPS/MAINT[8] (5D/3D)	2	2	2		2	2	2	2	2	2	2	2	2		2	2			2	
K-130-1116 SQQ-89(V)-T OBT MAINTENANCE[9] (5D)					2	2	2	2												

1 SCHEDULE PRIOR TO TSTA I. 1 TEAM MIXED BLUE/GOLD WATCHSTANDERS AND 3 CSTT MEMBERS.
2 SCHEDULED ICW INTERMEDIATE AND ADVANCED TRAINING IN PREDEPLOYMENT WORKUP.
3 COI J-210-0500 CAN SATISFY ONE REQUIREMENT.
4 COURSE TAILORED TO TEAM CONCEPT. FOUR HANDLING TEAM MEMBRS REQUIRED: TEAM LEADER/QA, SAFETY OBSERVER, AND TWO BANDERS. USS ARLIEGH BURKE (DDG 51) EXEMPT.
5 HOLDERS OF NEC ST-0402, 0414, AND 0455 RECEIVE THIS COURSE AS PART OF PIPELINE TRAINING, AND FULLFILL THIS REQUIREMENT.
6 HOLDERS OF NEC ST-0402, 0414, AND 0455 RECEIVE THIS COURSE AS PART OF PIPELINE TRAINING, AND FULLFILL THIS REQUIREMENT.
7 REQUIRED ANNUALLY FOR ACOUSTIC ANALYSTS, NEC 0445 AND 0450, 2 GRADS PER YEAR.
8 SHIPS EQUIPPED WITH EC16 ALSO ATTEND K-130-1129. HOLDERS OF NEC ST-0402, ST-0407, ST-0415 AND ST-0430 RECEIVE THIS COURSE AS PART OF PIPELINE TRAINING AND FULLFILL THIS REQUIREMENT.
9 AN/SQQ-89(V) ON BOARD TRAINER (OBT) EQUIPPED SHIPS ONLY. HOLDERS OF NEC ST-0415 RECEIVE THIS COURSE AS PART OF PIPELINE TRAINING AND FULFILL THIS REQUIREMENT.

USW COURSES-SHIPS

COURSE INFORMATION	AGF	AOE1	AOE6	ARS50	CG47	DDG963	DDG51	FFG7	JCC	LCC	LHA	LHD	LPD4	LPD17	LSD36	LSD41/49	LST	MCM	MCS	MHC51
K-130-1117 SQQ-89(V)-T OBT OPS/ADMIN[10] (11D)					2	2	2	2												
K-130-1121 SIMAS (V2) OPERATOR[11] (5D)					2	2	2	2												
K-221-0078 ASTAC PROFICIENCY MAINTENANCE[12] (5D)					*	*	*	*												
(NO COURSE NR) (FTSC) SDRW/SRD (3D)[13]					*	*	*	*												

[10] AN/SQQ-89(V) ON BOARD TRAINER (OBT) EQUIPPED SHIPS ONLY. HOLDERS OF NEC ST-0415 RECEIVE THIS COURSE AS PART OF PIPELINE TRAINING AND FULFILL THIS REQUIREMENT.

[11] HOLDERS OF NEC ST-0407, AND ST-0415 RECEIVE THIS COURSE AS PART OF PIPELINE TRAINING AND FULLFILL THIS REQUIREMENT.

[12] AS REQUIRED BY OPNAVINST 1211.2 (SERIES)

[13] ASWO AND ALL STG PERSONNEL MUST ATTEND ANNUALLY.

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AFLOAT STAFF COURSES

COURSE INFORMATION	CRUDESGRU	DESRON	MINWARCOM	MCMRON	PHIBGRU	PHIBRON	SURFGRU	NOTES/COMMENTS
K-2E-3114 FIRE SUPPORT COORDINATION[1] (8D)					2			
K-2E-3119 JOINT MPF STAFF PLANNING (5D)					2	2		
J-2E-4316 FIRE SUPPORT COORDINATION IN MAGTF OPS[2] (12D)					2	2		
K-2G-0037 AMW INDOCTRINATION (5D)				1	3	3		
K-2G-0045 SUPPORTING ARMS COORDINATION CENTER (4D)					*	*		ALL AMW STAFF (USN/USMC) ASSIGNED SACC DUTIES
J-2G-0048 EXPEDITIONARY WARFARE STAFF PLANNING (5D)				1	2	3		
K-2G-0079 STAFF TACTICAL WATCH OFFICER (19D)	7	4			2	3		ONE MUST BE OPS OFFICER
K-2G-0127 OTH-T C4I (5D)						2		INTEL OFFICER (1630) AND IS.
J-2G-0210 EWO SURFACE (12D)	1	1			2			
J-2G-0966 (2D) OPSEC STAFF PLANNER	2	1		1	1	1	1	
J-2G-2302 JMCIS AFLOAT MGR (5D)	2	2			1	1		
A-2G-2758 MINE WARFARE CORE (12D)	1		*	*	1	1		*ALL MINEWARCOM AND MCMRON STAFF OFFICERS
A-2G-2767 BF MCM OFFICER (5D)	1		3	3	1	1		
K-2G-3003 COMMAND AND CONTROL WAFRARE COMMANDER (5D)	4				2			
K-2G-3005 TLAM TACTICAL COMMANDER (4D)	3	3						
J-3A-1951 AFLOAT INTEL SYSTEMS MANAGERS OVERVIEW (5D)	2				1	1		INTEL OFFICER (1630)
K-3A-5034 BASIC SHIPBOARD INTEL (12D)		1		1			1	STAFF COLLATERAL DUTY INTEL OFFICER

[1] PAC ONLY. LANT EQUIVALENT IS J-2E-4316.
[2] LANT ONLY. PAC EQUIVALENT IS K-2E-3114.

AFLOAT STAFF C0URSES

COURSE INFORMATION	**CRUDESGRU**	**DESRON**	**MINWARCOM**	**MCMRON**	**PHIBGRU**	**PHIBRON**	**SURFGRU**	**NOTES/COMMENTS**
S-3C-0001 SECURITY MANAGER (5D)	1	1	1	1	1	1	1	
V-4C-0013 EKMS MANAGER (12D)	2	1	1	3	1		2	
A-4H-0173 CDC TAO (40D)	6	4		3	6	3	2	SWOS DEPT HEAD IS EQUIVALENT
A-4J-0020 AFLOAT SAFETY OFFICER[3] (12D)	1				1			
S-5F-0014 LEGAL OFFICER (30D)				1			1	
A-8B-0008 AFLOAT HAZMAT COORDINATOR[4] (2D)	1		1		1			
J-041-0103 AMMO ADMIN (5D)	1	1	1		1		1	
A-050-0001 COMMAND TRAINING TEAM INDOCTRINATION (4D)	3		2		3	2		ALL CTT MEMBERS - OPNAVINST 5354.1B
J-150-0987 NTCS-A STW INTEL APPS(33D)						1		IS
J-150-2957 GLOBAL C2 SYS MARITIME INTEL CENTER MANAGER (12D)						2		INTEL OFF (1630) AND IS.
J-150-2966 EXPEDITIONARY WARFARE INTEL (EWIC) (17D)					1	2		INTEL OFF (1630) AND IS.
K-221-0120 LHA NTDS TACC TEAM TRAINING (5D)						*		AS PRESCRIBED BY PHIBRON COMMANDER
K-221-0124 MULTI LINK OPERATOR (12D)	3	1						
J-221-2311 GLOBAL C2 SYS COMMON MARITIME OPERATOR (33D)	1	1			1	1		
J-243-0972 JOINT INTEL (12D)					4			LANT ONLY
J-243-0984 SCI ADMINISTRATION AND PHYSICAL SECURITY (5D)	3		1		1	1		
K-243-5040 JTF INTEL MANAGER (5D)	1				1	1		INTEL OFF (1630)

[3] TRAINING INCLUDED IN DEPARTMENT HEAD AND PXO CURRICULUMS FULLFILLS THIS REQUIREMENT.

[4] TRAINING INCLUDED IN DEPARTMENT HEAD AND PXO CURRICULUMS FULLFILLS THIS REQUIREMENT.

AFLOAT STAFF COURSES

COURSE INFORMATION	CRUDESGRU	DESRON	MINWARCOM	MCMRON	PHIBGRU	PHIBRON	SURFGRU	NOTES/COMMENTS
S-243-5045 JDISS BASIC OPERATOR (5D)						1		
B-300-1000 SURFACE FORCE MEDICAL INDOC (5D)						*		HM NOT HOLDING NEC HM-8425
B-322-2310 HEARING CONSERVATION AFLOAT[5] (1D)	1		1	1				
B-322-2320 (EPMU) HEAT STRESS AFLOAT[6] (1D)	1		1	1	1			
B-322-2330 (EPMU) HEALTH EFFECTS/ ASBESTOS AND OTHER MATLS (1D)	1						1	
A-501-0011 COMMAND CAREER COUNSELOR (26D)	1			1	1			
P-501-0060 DAPA (5D)	1		1	1	1		1	
K-821-2142 ENGINEERING PROPULSION FUELS/OILS & JP-5 TESTING (4D)				1	1			
(NO COURSE NR) PAC THEATER INTEL ARCH	2				1	1		INTEL OFF - PAC ONLY
(NO COURSE NR) (CSMTT) AVAITION SAFETY OFFICER (42D)	1	1						LANT ONLY
(NO COURSE NR) PREVENT	*	*	*	*	*	*	*	10% OF COMMAND
(NO COURSE NR) ADAMS MANAGER/SUP	*	*	*	*	*	*	*	COMO/CSO/CMC ATTEND MANAGER COI, ALL E-7 AND ABOVE ATTEND SUP COI.

[5] COI NOT OFFERED BY EPMU-5 IN SAN DIEGO. EPMU 5 WILL PROVIDE “TRAIN-THE-TRAINER” ASSISTANCE TO SAN DIEGO BASED COMMANDS IN LIEU OF COI.

[6] COI NOT OFFERED BY EPMU-5 IN SAN DIEGO. EPMU 5 WILL PROVIDE “TRAIN-THE-TRAINER” ASSISTANCE TO SAN DIEGO BASED COMMANDS IN LIEU OF COI.

STAFF/UNIT C0URSES

COURSE INFORMATION	**ACU**	**BEACHGRU**	**BMU**	**EODGRU**	**EODTEU**	**EODMU**	**EODMCM**	**EODVSW/MCM**	**EODMOB**	**NRFEODMU**	**EODSHORE**	**EODMMS**	**EODOCD**	**EODASD**	**EODCOMM**	**MDSU**	**NAVCHAPGRU**	**PHIBCB**	**COOPMINRON**	**TACGRU**	**TACRON**	**MIUWUNIT**	**IBU**	**NIUWGSTAFF**	**HDCUNIT**	**NOTES/ COMMENTS**
K-2E-3107 ARG/MEU (SOC) STAFF PLANNING (12D)																					*					DET E-7 AND ABOVE. ACTUAL PLANNING SATISFIES REQUIREMENT.
K-2G-0037 AMPHIB WARFARE INDOCTRINATION (5D)	*	2	*	1		1			*	1								*		2	@	1		1	1	@ ALL DET OFFICERS *ALL DET OIC
J-2G-0044 AMPHIBIOUS AIR-SPACE OPERATIONS COORD[1] (2D)																					*					ALL DET OFFICERS
K-2G-0045 SUPPORTING ARMS COORDINATION (4D)																					*					ONE OFF PER DET
J-2G-0048 EXPEDITIONARY WARFARE STAFF PLANNING (5D)	*	3	*														1	*		1	@	1		1	1	@ALL DET OFFICERS *ALL DET OIC
K-2G-0079 STAFF TACTICAL WATCH OFFICER (19D)																					2					
K-2G-0127 OTH-T C4I (5D)																						*		*	*	ONE PER WATCH SECT
J-2G-0966 OPSEC PLANNING (2D)																						*		*	*	*1 PER DET
E-2G-2002 SAR OFFICER (5D)																					*					ONE OFF PER DET
K-2G-2207 SR QM NAVIGATION (12D)						1																				
J-2G-2302 JMCIS AFLOAT MANAGER (5D)																					*			1	1	*ONE OFFICER PER DET.

[1] LANTFLT COMMANDS ONLY

STAFF/UNIT COURSES

COURSE INFORMATION	ACU	BEACHGRU	BMU	EODGRU	EODTEU	EODMU	EODMCM	EODVSW/MCM	EODMOB	NREODMU	EODSHORE	EODMMS	EODOCD	EODASD	EODCOMM	MDSU	NAVCHAPGRU	PHIBCB	COOPMINRON	TACGRU	TACRON	MIUWUNIT	IBU	NIUWGSTAFF	HDCUNIT	NOTES/ COMMENTS
K-2G-3003 C2 WARFARE (5D)																						1		1	1	
J-3A-0952 INTEL REFRESHER (5D)																									1	
S-3C-0001 SECURITY MANAGER																									1	
A-4A-0016 FACILITY PLANNER (5D)				1																						
A-4A-0048 FACILITIES PROJECTS SEM (3D)				1																						
V-4C-0013 EKMS MANAGER (12D)				1		1		1								1						1		1	1	
A-4J-0020 AFLOAT SAFETY OFFICER[2] (12D)	1	1	1	1												1										
S-5F-0011 MILITARY JUSTICE SENIOR OFFICER (5D)		1		1	1	1		1		1						1				1				1		
S-5F-0014 LEGAL OFFICER (30D)	1	1	1	1		1										1		1		1	1					
A-8B-0008 AFLOAT HAZMAT COORDINATOR[3] (2D)	1	1	1	1	1	1		1		1						1										
A-8B-0045 SUPPLY INDOC FOR LINE OFFICERS (33D)				1	1	2												1								
A-8C-0013 SHIP LOADING/ STOWAGE (12D)																			7							

[2] TRAINING INCLUDED IN DEPT HEAD AND PXO CURRICULUM WILL FULLFILL THIS REQUIREMENT.

[3] TRAINING INCLUDED IN DEPT HEAD AND PXO CURRICULUM WILL FULLFILL THIS REQUIREMENT.

STAFF/UNIT C0URSES

COURSE INFORMATION	**ACU**	**BEACHGRU**	**BMU**	**EODGRU**	**EODTEU**	**EODMU**	**EODMCM**	**EODVSW/MCM**	**EODMOB**	**NRFEODMU**	**EODSHORE**	**EODMMS**	**EODOCD**	**EODASD**	**EODCOMM**	**MDSU**	**NAVCHAPGRU**	**PHIBCB**	**COOPMINRON**	**TACGRU**	**TACRON**	**MIUWUNIT**	**IBU**	**NIUWGSTAFF**	**HDCUNIT**	**NOTES/ COMMENTS**
J-041-0103 AMMO ADMIN (5D)	1	1	1	2	2	2	1	1	1	2	1	1				1	1	2				1	1	1		
J-041-0145 50 CAL OPS/MAINT																							1			
A-050-0001 COMMAND TRAINING TEAM INDOC (4D)	1		1	1	1	2		1		1						1		1				*	*	*	*	*1 PER UNIT
A-050-0002 CAT TEAM TRAINING (2D)																						*	*	*	*	*1 PER UNIT
K-060-2220 2ND CLASS SWIMMER TEST[4] (1D)	*		*		1	2				2				2	2	*		*				@	@			@ALL BOAT CREW
K-062-0625 RIB COXSWAIN[5] (5D)					*	*	*	*	*	*	*	*	*	*	*	*						@				@2 PER BOAT
K-062-0634 BASIC BOAT COXSWAIN[6] (5D)					*	*	*	*	*	*	*	*	*	*	*	*							@			IBU ONLY
K-121-0181 SYSTEM ENGINEERING (5D)																						*		*	*	*1 PER WATCH SECTION
K-130-1074 BAAR																						*				ALL STs
J-150-2957 C2PC (12D)																						1		1		
J-150-2966 EXPEDITIONARY WARFARE INTEL (EWIC) (17D)						@ 1															*			1	1	ALL INTEL OFF (1630) AND IS PERSONNEL

[4] ALL BOAT CREW MEMBERS IAW MILPERSMAN 6610120. K-130-2138 CAN BE USED FOR CERTIFICATION.
[5] 2 PER BOAT
[6] 2 PER BOAT

STAFF/UNIT COURSES

COURSE INFORMATION	ACU	BEACHGRU	BMU	EODGRU	EODTEU	EODMU	EODMCM	EODVSW/MCM	EODMOB	NREODMU	EODSHORE	EODMMS	EODOCD	EODASD	EODCOMM	MDSU	NAVCHAPGRU	PHIBCB	COOPMINRON	TACGRU	TACRON	MIUWUNIT	IBU	NIUWGSTAFF	HDCUNIT	NOTES/ COMMENTS
K-221-0120 LHA NTDS TACTICAL AIR CONTROL (5D) OR J-221-0351 LHD ACDS OPERATOR TRAINING (19D)																					*					* ALL TACC/ SACC WATCH-STANDERS. (WHICHEVER COURSE IS MOST APPROPRIATE)
K-243-0974 INTEL PHOTOGRAPHY (5D)				1	1	1	1	1	1		1															
S-243-5045 JDISS BASIC OPS (5D)																								1	1	
A-260-0050 OTCIXS OPERATOR (5D)																						1		1	1	
B-300-1000 SURF FORCE MED INDOC (5D)																						*	*	*	*	*HMs NOT HOLDING NEC 8425
B-322-1075 SHIPBOARD PEST MGMT (2D)																			1							
B-322-2101/2102 EPMU FOOD SERV SANITATION CERT/RECERT (4D/3D)																						1		1		
B-322-2320 (EPMU) HEAT STRESS (1D)	1	1	1	1	1	1		1		1						1		1				*	*	*	*	*ALL HMs
B-322-2330 (EPMU) HEALTH EFFECTS/ASBESTOS & OTHER THERMAL INSULATION (1D)	1																									

STAFF/UNIT C0URSES

COURSE INFORMATION	**ACU**	**BEACHGRU**	**BMU**	**EODGRU**	**EODTEU**	**EODMU**	**EODMCM**	**EODVSW/MCM**	**EODMOB**	**NREODMU**	**EODSHORE**	**EODMMS**	**EODOCD**	**EODASD**	**EODCOMM**	**MDSU**	**NAVCHAPGRU**	**PHIBCB**	**COOPMINRON**	**TACGRU**	**TACRON**	**MIUWUNIT**	**IBU**	**NIUWGSTAFF**	**HDCUNIT**	**NOTES/ COMMENTS**
A-322-2600 HAZMAT CONTROL AND MANAGEMENT TECH (SNEC 9595)	1		1	1		1		1		1																
G-431-0006 U.S. SECRET SERVICE SUPPORT TRAINING (2D)[7]					*	*	*	*	*	*	*	*														
G-431-0007 EXPLOSIVE DRIVER (2D)[8]						*	*	*	*	*												?				
G-431-0013 MK 16 DIVER SUPPORT (14D)					2	3	1	1	1	4	1															
G-431-0014 EOD SCUBA SUPERVISOR (12D)				1	2	3	1	1	1	4	1	1	1													
A-431-0015 ADV EOD MGMT & TECH (12D)				2	2	4					2															
A-431-0049 MARINE MAMMAL SYS OPERATOR (33D)								4				4														
A-431-0065 ADV ACCESS & DISABLEMENT (12D)				2	2 2	4 4					1 1															
A-431-0075 EOD MIXED GAS DIVING UBA (12D)[9]					*	*	*	*	*	*	*	*														
K-431-0083 (USA) MILITARY FREEFALL[10]					*	*	*			*	*															PIC DETS ONLY

[7] ALL EOD PERSONNEL
[8] MU NEEDS 40 HR COURSE
[9] * ALL EOD PERSONNEL
[10] ALL STATIC JUMPMASTERS

STAFF/UNIT COURSES

COURSE INFORMATION	ACU	BEACHGRU	BMU	EODGRU	EODTEU	EODMU	EODMCM	EODVSW/MCM	EODMOB	NREODMU	EODSHORE	EODMMS	EODOCD	EODASD	EODCOMM	MDSU	NAVCHAPGRU	PHIBCB	COOPMINRON	TACGRU	TACRON	MIUWUNIT	IBU	NIUWGSTAFF	HDCUNIT	NOTES/ COMMENTS
K-431-0084 STATIC LINE JUMPMASTER (18D)[11]				1	1	3	3			3	2															*PIC DETS ONLY
K-431-0085 RAM-AIR PARA TRANSITION (4D)[12]				1	1	3	3	3	3		2															*PIC DETS ONLY
A-493-2099 SAFETY PROGRAMS AFLOAT (5D)	1		1	1	1	1			1	1																
K-495-0051 GAS FREE ENGINEER[13] (5D)	*	*				1										*		*								NSTM 074V3/ OPNAVINST 3541.1C
J-495-0412 GEN SHIPBOARD FIRE FIGHTING (1D)[14]	*		*		1	1	1	1	1							*		*								
P-500-0020 PO1 LEADERSHIP (12D)[15]	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
P-500-0021 CPO LEADERSHIP (12D)[16]	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
P-500-0025 PO2 LEADERSHIP (12D)[17]	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
A-500-0036 NAVY LEADERSHIP DEVELOPMENT LCPO (5D)[18]				1	1	8		2		2	2					*										
P-501-0060 DAPA (5D)	*	*	*	1	1	1		1		1						*	*	*	1	1	1	@	@	@	@	*1 PER 250, @ 1 PER UNIT

[11] 25% OF QUALIFIED STATIC LINE JUMPERS
[12] ALL QUALIFIED JUMPERS
[13] 1 PER MDSU SALVAGE DET.
[14] ALL DET PERSONNEL. INCL MDSU LCU CREW
[15] ALL E-6 MUST COMPLETE PRIOR TO ADVANCEMENT TO E-7
[16] ALL E-7 MUST COMPLETE PRIOR TO ADVANCEMENT TO E-8
[17] ALL E-5 MUST COMPLETE PRIOR TO ADVANCEMENT TO E-6
[18] ALL SALVAGE DETS/LCU CREWS

STAFF/UNIT C0URSES

COURSE INFORMATION	**ACU**	**BEACHGRU**	**BMU**	**EODGRU**	**EODTEU**	**EODMU**	**EODMCM**	**EODVSW/MCM**	**EODMOB**	**NREODMU**	**EODSHORE**	**EODMMS**	**EODOCD**	**EODASD**	**EODCOMM**	**MDSU**	**NAVCHAPGRU**	**PHIBCB**	**COOPMINRON**	**TACGRU**	**TACRON**	**MIUWUNIT**	**IBU**	**NIUWGSTAFF**	**HDCUNIT**	**NOTES/ COMMENTS**
A-531-0011 JMCIS INFO SYS ADMIN COMMON CORE (19D)																						*		*	*	*1 PER WATCH SECTION
A-651-0070 AIR COMPR & COMPR AIR SYS COMPONENT MAINT (16D)					1	2				1						2										
K-652-0231 SMALL BOAT ENGINEER (12D)																							1			
K-652-0232 VOLVO/CUMMINS BOAT ENG OVERHAUL (26D)	*					4		4										*	1				@			*1.5 PER CRAFT @1 PER BOAT CREW
K-652-0237 OUTBOARD MOTOR OVERHAUL (12D)					2	2	1	4		4						2										
K-652-2146 HYDRAULIC SYSTEMS (12D)						1				1																
K-821-2142 PROPULSION FUELS/ OILS & JP-5 TESTING (4D)						1				1									1							
J-822-0039 BOATSWAIN MATE SUPV (10D)																	3						?			
A-830-0002 PHYSICAL SECURITY (5D)				*	*	*		*		*												*	*	*	*	*1 PER UNIT
J-830-0010 ATTO																								*	*	1 PER UNIT
J-830-0015 FPO																							*			1 PER BOAT CREW
K-860-0010 (USA) PARACHUTE RIGGER (60D) FT LEE, VA				1	3	3					2															
(USA) 8C-F9/811 MIL STD TRANS MOVEMENT PROC																	6									FT EUSTIS, VA

STAFF/UNIT COURSES

COURSE INFORMATION	ACU	BEACHGRU	BMU	EODGRU	EODTEU	EODMU	EODMCM	EODVSW/MCM	EODMOB	NREODMU	EODSHORE	EODMMS	EODOCD	EODASD	EODCOMM	MDSU	NAVCHAPGRU	PHIBCB	COOPMINRON	TACGRU	TACRON	MIUWUNIT	IBU	NIUWGSTAFF	HDCUNIT	NOTES/ COMMENTS
(USA) ZEF6/001-F15 MIL FREEFALL JUMPMASTER				1	3	3					2															
(USAF) 35AZA1105000 4N-F3/860-FI AIRDROP LOAD INSP (5D)						2			1		1															1 PER PIC DET
(USAF) H-81-3556 AIRLIFT LOADMASTER																*						@	@	@	@	1 PER MDSU SAL DET, @2 PER UNIT
T60000-0000 AIRLIFT OF HAZMAT SAVANNAH IL/ROTA SP					1	4	4	1	1	1	2	1	1	1	1	*	6									1 PER DET 1 PER MDSU SAL DET
(NO COURSE NR) GPS SYS TRAINING				1	4	4	1	1	1	2	1	1	1	1	1											
(NO COURSE NR) HELICOPTER ROPE SUSPENSION MASTER TRAINING				1	1	2		1	1																	
(NO COURSE NR) NAVY CRAFTMASTER TRAINING				1	1	2		1	1																	
(NO COURSE NR) BOSTON WHALER FIBERGLASSING						1																				
(NO COURSE NR) FIBERGLASS REPAIR						1																				
(NO COURSE NR) EMERG VEHICLE OPER						*	*		*	*	*	*	*	*	*											*ALL EMERG VEHICLE OPERATORS
(NO COURSE NR) DOWTY SIDE SCAN SONAR OPER/MAINT										2				2	2				1							
(NO COURSE NR) HARP TRAINING				1	3	3					2															

STAFF/UNIT C0URSES

COURSE INFORMATION	**ACU**	**BEACHGRU**	**BMU**	**EODGRU**	**EODTEU**	**EODMU**	**EODMCM**	**EODVSW/MCM**	**EODMOB**	**NRFEODMU**	**EODSHORE**	**EODMMS**	**EODOCD**	**EODASD**	**EODCOMM**	**MDSU**	**NAVCHAPGRU**	**PHIBCB**	**COOPMINRON**	**TACGRU**	**TACRON**	**MIUWUNIT**	**IBU**	**NIUWGSTAFF**	**HDCUNIT**	**NOTES/ COMMENTS**
(NO COURSE NR) OCCUPATIONAL NOISE AND HEARING CONSERVATION	1	1	1		1	1				1								1								
(NO COURSE NR) AQUA AIR A/C REPAIR					2																					
(NO COURSE NR) NAVY NUC ADV EOD TRAINING				1	2	6		4	1																	
(NO COURSE NR) NISC INTEL INDOC				1	2	1		1																		
(NO COURSE NR) 871 DIESEL MAINT AND OVERHAUL (10D)						2				2																
(NO COURSE NR) CPR TRAINING	3	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3								*ALL QUAL DIVERS, ANNUAL CERT
(NO COURSE NR) ADAMS MANAGER/SUP	*		*	*	*	*		*		*	*								*							*CO/XO/CMC ATTEND MNGR, E-7 ABOVE ATTEND SUP
(NO COURSE NR) CESE MGMT SEMINAR				1	1	1												1								
(NO COURSE NR) NUCLEAR CRITICALITY LOS ALAMOS				1	2	2		4	1																	
(NO COURSE NR) DEFENSE SMALL PURCHASE SCH, NSC NORVA (5D)				2	2	2				1																
(FACTORY COURSE) RIX COMPRESSOR MAINT					2	2				1	1															
(FACTORY COURSE) ONAN MARINE GEN FACT SVC, MINN MN (5D)						2				1								3								

STAFF/UNIT COURSES

COURSE INFORMATION	ACU	BEACHGRU	BMU	EODGRU	EODTEU	EODMU	EODMCM	EODVSW/MCM	EODMOB	NREODMU	EODSHORE	EODMMS	EODOCD	EODASD	EODCOMM	MDSU	NAVCHAPGRU	PHIBCB	COOPMINRON	TACGRU	TACRON	MIUWUNIT	IBU	NIUWGSTAFF	HDCUNIT	NOTES/ COMMENTS
(FACTORY COURSE) KLINE SIDE SCAN SONAR OPER.MAINT					2	1				2				2	2				1							
LANTFLTTRACEN LOW INTENSITY CONFLICT TRAINING				1	2	4	2	2	2		2	3														
(NO COURSE NR) SERE SCHOOL						4		3	3																	
(NO COURSE NR) EXPLOSIVE DRIVER				2	4	4	3	3	3		3	3	2													

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APPENDIX E

SHIPBOARD TRAINING ENHANCEMENT PROGRAM (STEP) COURSE REQUIREMENTS

E-101 **General.**

a. The Shipboard Training Enhancement Program (STEP) provides interactive courseware (ICW) distributed semi-annually by NETPMSA on CD-ROM. STEP is a cost effective training alternative for selected courses. STEP courses are equivalent to classroom instruction and satisfy course completion requirements. STEP courses include student testing in order to evaluate student performance. Successful completion of a STEP course is documented on Service Record Page 4.

b. STEP is designed to provide shipboard, individual and/or group technology-based training to develop or enhance:

Operator proficiency
Maintenance skills
Administrative skills
Firefighting and damage control skills
Shipboard and watchstation qualifications
Advanced skills for supervisory personnel
Practical knowledge through general military training
Self-improvement through general education

c. Presently the principal instructional tools of STEP are video tapes and computer interactive courseware. The program may grow to include workbooks, study guides and multimedia training programs.

d. NAVEDTRA 630, Catalog of Transportable On Board Training, (currently distributed on CD-ROM along with all STEP courseware), should be used in developing the ship's training plan. The catalog may also be viewed on the CNET home page at http://www.cnet.navy.mil/netpdtc/step/index.html.

e. One of the advantages of STEP is that it reduces costs associated with TAD expenses and time lost due to absence from the command. Another advantage is that the number of course graduates is not limited by these expenses. The ship or staff can train as many individuals as they feel they need to have. Ships and staffs are encouraged to exploit these advantages.

f. The number of courses available in STEP is currently small, but will increase steadily as new courses are developed or transition from formal courses to STEP. Computer equipment to make use of STEP is being distributed as part of CNET's Library Multimedia Resource Center (LMRC)initiative. The CNET POC for further information / assistance in this regard is NETPMSA Code 042 (904) 452-1899, DSN 922-1889, FAX (904) 452-1738.

E-102 **Requirements.** This appendix contains STEP course requirements for ships, staffs and units of the Surface Forces which have received the STEP courseware and materials. Numbers in the tables indicate the minimum number of STEP course graduates who should be onboard. Where a course exists both as a school house COI and a STEP course, the STEP course should be preferred. Eventually, formal courses will be discontinued when they transition to STEP.

STEP C0URSES - SHIPS

COURSE INFORMATION	**AGF**	**AOE1**	**AOE6**	**ARS50**	**CG47**	**DD963**	**DDG51**	**FFG7**	**JCC**	**LCC**	**LHA**	**LHD**	**LPD4**	**LPD17**	**LSD36**	**LSD41**	**LST**	**MCM**	**MCS**	**MHC51**
A-041-0103 AMMO ADMIN	1	5	5	1	2	2	2	2	1	1	2	2	2		2	2	2	1	2	1
A-063-0001 LOOKOUT TRAINING	6	6	6	6	6	6	6	6	6	6	6	6	6		6	6	6	6	6	6
A-102-0047 AN/WRN-6(V) GPS OPERATIONS[1]	*	*	*	*	*	*	*	*	*	*	*	*	*		*	*	*	*	*	*
A-102-0065 AN/WRN-6(V) GPS MAINT[2]	*	*	*	*	*	*	*	*	*	*	*	*	*		*	*	*	*	*	*
A-198-0001 EMI AWARENESS	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1
A-495-0002 SUPPLEMENTAL EMERG EGRESS DEVICE (SEED)MANAGEMENT	2	2	2	2	2	2	2	2	2	2	2	2	2		2	2	2	2	2	2
A-495-0003 SUPPLEMENTAL EMERG EGRESS DEVICE (SEED)MAINTENANCE	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1
A-495-0004 P-100 PORTABLE PUMP	2	2	2	2	2	2	2	2	2	2	2	2	2		2	2	2	2	2	2
A-495-0008 SCBA-BACS OPS					2		2					2				2				
A-495—0011 SCBA BREATHING AIR COMP.					2		2					2				2				
A-495—0012 SCBA OPS & MAINT					2		2					2				2				
A-495—0013 SCBA MAINT STEP					2		2					2				2				
A-495—0039 SCBA BACS MAINT					2		2					2				2				
A-495-0400 DCPO INDOC[3]	*	*	*	*	*	*	*	*	*	*	*	*	*		*	*	*	*	*	*
A-495-0425 CBRD PPE	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1
A-500-0038 3M OPS/ADMIN COURSE[4]	*	*	*	*	*	*	*	*	*	*	*	*	*		*	*	*	*	*	*
A-500-0041 INTEGRATED SHIPBOARD MAINTENANCE SUPPORT (ISMS)	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1
A-652-2141 SHIPBOARD CHT SYSTEMS	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1
A-670-0041 GENERAL PURPOSE ELECTRONIC TEST EQUIP (GPETE)	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1
A-690-0003 PLASTIC WASTE PROCESSOR (PWP)	2	2	2	2	2	2	2	2	2	2	2	2	2		2	2	2	2	2	2

[1] ALL QM PERSONNEL ON WRN-6 EQUIPPED SHIPS
[2] ALL NAV ET PERSONNEL ON WRN-6 EQUIPPED SHIPS
[3] ONE PER DIVISION (DESIGNATED DCPO)
[4] ONE PER DIVISION (DESIGNATED DCPO)

STEP COURSES-SHIPS

COURSE INFORMATION	AGF	AOE1	AOE6	ARS50	CG47	DD963	DDG51	FFG7	JCC	LCC	LHA	LHD	LPD4	LPD17	LSD36	LSD41	LST	MCM	MCS	MHC51
A-760-2165 SHIPBOARD ASBESTOS EMERGENCY RESPONSE[5]	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1
A-800-0033 FOOD SERVICE SANITATION, BASIC AND REFRESHER[6]	*	*	*	*	*	*	*	*	*	*	*	*	*		*	*	*	*	*	*

[5] THE PURPOSE OF THIS COURSE IS TO PROVIDE REFRESHER ENHACEMENT TRAINING TO PERSONNEL WHO HAVE PREVIOUSLY ATTENDED THE FORMAL SAER COI A-760-2166 AND DOES NOT REPLACE THE FORMAL COI.

[6] REQUIRED FOR ALL PERSONNEL WORKING IN A FOOD SERVICE AREA FOR MORE THAN 29 DAYS

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APPENDIX F

GLOSSARY

AAWC - Anti-Air Warfare Commander

ADP - Automated Data Processing, computer based processing of information and files, and the associated equipment.

Afloat Training Group - Primary training organization for ship basic phase training.

AFOSS - Aviation Fuels Operational Sequencing System

AIMD - Aviation Intermediate Maintenance Department

AOC - Association of Old Crows, sponsors for annual EW award. *See* Chapter 5, Section 2.

APTS - Acoustic Proficiency Training Systems is an acoustic analysis CBT device available at FLEASWTRACEN, FTC Norfolk, and all ATGs. It is used for initial and refresher training of acoustic analysts.

ARE - Aviation Readiness Evaluation, a biannual evaluation preceding the aviation certification of aviation capable ships.

ASTAC - Anti-submarine Tactical Air Controller

AT - Annual Training. Reserve personnel annual active duty for training.

AT/FP - Anti-terrorism / Force Protection, refers to measures to enhance unit and personnel security through threat indoctrination, awareness training and physical security measures.

ATG - *See* Afloat Training Group

ATT - Aviation Training Team

BAF - Back-up Alert Force, part of ship's internal physical security organization.

BFIMA - Battle Force IMA, part of the concept of fostering an intermediate level maintenance capability in the Battle Force (BFIMA) or in the ARG (ARGIMA). *See* para. 2110.

BFTT - Battle Force Tactical Trainer, an onboard training capability being developed / installed in some ship classes.

BIA - Basic / Intermediate / Advanced, an acronym to describe some of the exercises requirements listed in Appendix A and to distinguish these exercises from the repetitive exercises that have shorter expiration periods. BIA exercises have a 2 year life.

CART - *See* Command Assessment of Readiness and Training

CASREP - Casualty Report, an operational report to report equipment / material casualties.

CBT - Computer based training

CCOI / COI - Critical Contact of Interest / Contact of Interest, terms to indicate level of importance of contact information

CHOP - Change in operation control; for example, when ship shifts from TYCOM operational control to that of numbered fleet commander.

CINTEX - Combined inport training exercise

CIWS - Close in weapons system, also called PHALANX. Variants Block 1 and Block 2.

CLF - Combat Logistics Force

CMTQ - *See* Cruise Missile Tactical Qualification -

Command Assessment of Readiness and Training, CART 1 is a ship conducted review of personnel assignments and training requirements for the next IDTC. CART 2 is an ISIC conducted, ATG assisted, post maintenance period assessment of the ship's training needs for the basic phase of training.

COMSEC - Communications Security

CRC - Communication Readiness Certification, *See* Chapter 2, Section 4. .

CREWCERT - Crew Certification Program, *See* Chapter 2, Section 4.

CRT - Casualty Response Team

Cruise Missile Tactical Qualification, a biannual, in most cases, required certification for Tomahawk and Harpoon equipped ships. *See* Chapter 2, Section 4.

CSCCE - Combat Systems Casualty Control Exercise

CSOOW - Combat Systems Officer of the Watch

CSOSS - Combat Systems Operational Sequencing System

CSRR - Combat Systems Readiness Review

CSSQT - Combat Systems Ship Qualification Trials

CSTT - Combat Systems Training Team

CWOSS - Chilled Water Operational Sequencing System

DARTS - Air Deployable Acoustic Readiness Training System is an acoustic analysis training system for HSL aircrews. ATGPAC is converting AIR DARTS scenarios to be compatible with the AN/SQQ-28(V) for shipboard training.

DBM - Data Base Manager, a watchstander who correlates non-real time contact locating information.

DCTT - Damage Control Training Team

DLRP - Data Link Reference Point, a reference point to coordinate the display of tactical data system information.

DORA – Diving Operational Readiness Assessment. A critical assessment of a salvage ships diving program.

DT - Developmental Test, part of the test and evaluation process of introducing new systems into the fleet

ECO - Engagement Control Officer, coordinator of Tomahawk mission

EDVR - Enlisted Distribution Verification Report.

EEBD - Emergency Escape Breathing Device

EKMS - Electronic Keying Material System, formerly CMS.

EMATT - MK 39 Expendable Mobile ASW Training Target.

EMCON - Emission control

EMO - Electronics Material Officer

Engineering Qualification – an ISIC conducted, ATG supported process that assures a ship is ready in propulsion training, operations and material. Conducted once per IDTC or every 24 months. *See* Chapter 2, Section 4.

EOCC - Engineering Operational Casualty Control, standard procedures to control anticipated casualties.

EOOW - Engineering Officer of the Watch

EOP - Engineering Operational Procedures

EOSS - Engineering Operational Sequencing System

EP - Engagement Planner, a watchstander in the SUW/STK organization of cruise missile equipped ships.

E-Qual - *See* Engineering Qualification.

ESWS - Enlisted Surface Warfare Specialist

ETT - Engineering Training Team

EWEX - Electronic Warfare Exercise, typically an inport training exercise.

FDNF - Forward Deployed Naval Forces, ships and staffs permanently homported in overseas locations.

FEP - Final Evaluation Period. ISIC conducted event. Culmination of basic training phase. *See* Chapter 2, Section 2.

FIREX - An acronym to describe firing portions of NSFS qualification. FIREX 1 is initial qualification, FIREX 2 is requalification.

FXP - Fleet Exercise Publication. A series of publications that describe training exercises in all mission areas for all platforms. Distributed on NTIC CD-ROM.

GMT - General Military Training

HERO - Hazards of Electromagnetic Radiation to Ordnance, refers to a prohibition on types of electromagnetic radiation while handling ordnance, etc.

IDT - Individual Drill for Training - Reserve personnel weekend training..

IDTC - Interdeployment Training Cycle, term used to describe the maintenance and workup period between deployments.

IET - Inport Emergency Team (IET)

IMA - Intermediate Maintenance Activity

IMAV - Intermediate Maintenance Availability

IMT - Integrated MCM Training (IMT)

IOBT - Internal On-board Trainer is the standalone AN/SQS-53D (EC-16/84) active sonar training subsystem.

ISIC - Immediate Superior in Command

ITT - Integrated Training Team

JQR - Job Qualification Requirements - a locally prepared qualification for which PQS does not exist.

LC - Launch Control, part of the strike team.

LINKEX - Link exercise for tactical data ships

LMA - Logistics Management Assessment

LMRC - Library Multimedia Resource Center, a shipboard facility with adequate resources to conduct training using computer based training tools. *See* Appendix E.

LOA - Light Off Assessment

LOK - Level of Knowledge

LRTP - Long Range Training Plan

LTT - Limited Training Team

MATCONOFF - Material Control Officer, a function typically in a battle group organization to facilitate the efficient provision and handling of repair parts.

MCA - Mid-Cycle Assessment – an optional ISIC conducted review of engineering readiness usually conducted while deployed ICW CART I.

MCM - Mine countermeasures, also mine countermeasures class ships.

MEF - Mid-East Force, non-battle group ships deployed to the Arabian Gulf

MOVREP - Movement report, and operation report concerning the location and movement of ships and staffs.

MRC - Maintenance Requirement Card, part of the Planned Maintenance System, on which steps, material and personnel requirements for a specific maintenance action are listed.

MRCI - Mine Readiness Certification Inspection

MTT - Medical Training Team, *also* Mobile Training Team

NAVOSH - Navy Occupational Safety and Health, a term used to describe training related to these areas.

NEC - Navy Enlisted Classification, a code used to describe enlisted skills gained through formal schools or experience. Used by the distribution system to fill designated billets with required skills.

NFC - Numbered Fleet Commander; i.e., C2F, C3F, C5F, C6F or C7F.

NMETLS - Navy Mission Essential Task List

NOBC - Navy Officer Billet Code, a code used to describe officer skills gained through experience.

NRF - Naval Reserve Force

NSFS - Naval Surface Fire Support, formerly Naval Gunfire Support (NGFS)

NSTAD - Naval Sensor Training Aids Department at FLEASWTRACEN was responsible for the Acoustic Sensor Training Aids Program (ASTAP). This program provided acoustic analysis recordings and manuals to all naval commands with acoustic detection capabilities or training missions. NSTAD has been disestablished and the ASTAP responsibilities have been assumed by ONI.

NTFS - Navy Training Feedback System, a tool evaluate training related deficiencies to appropriate levels.

NTSP - Navy Training System Plan, document used to describe required training for new systems planned for fleet introduction. Formerly Navy Training Plan (NTP)

NTP - *See* NTSP

OBT - Onboard Trainers

OCSOT - Operational Combat Systems Overall Test, a recurring combat systems PMS check.

ODCR - Officer Distribution Control Report

OMT - *See* Onboard Maintenance Training

ONI - Office of Naval Intelligence

OOB - Order of Battle, a listing of military resources; e.g., enemy order of battle is a list of enemy forces which are arrayed against friendly forces.

OOC - Out of commission, referring to equipment or material casualties.

OPSEC - Operational Security

ORM - Operational Risk Management, a process of assessing potential risk in operations and training. *See* Chapter 3, Section 1.

OT - Operational Test, part of the test and evaluation process of introducing new systems into the fleet

PACFIRE - Pre-action calibration. Test firing of guns prior to surface action/exercises. Used to determine arbitrary correction to hit (ACTH).

PADS - Passive Acoustic Display Simulator is an acoustic analysis computer based training (CBT) devise.

PBFT - Planning Board for Training

PDT&T - Post Delivery Test and Trial

PPG - Pre-Overhaul Planning Guide

PQS - Personnel Qualification System, a formal qualification system in theory, systems and watch qualifications.

PRT&T - Post Repair Test and Trial

QA - Quality Assurance

RAM - Rolling Airframe Missile, an new short range AW weapons system being introduced in some ship classes.

RBTP - Reserve Billet Training Plan

Repair 8 - The electronic casualty control organization in non-CSOSS ships.

ROC - Required Operational Capabilities

ROE - Rules of Engagement

RSG - Readiness Support Group

RSO - Readiness Support Organization

SALVTRA – Specialized maritime diving and salvage training for salvage ships.

SALVTRE – An annual ISIC conducted evaluation of diving and salvage readiness in salvage ships.

SAT - Security Alert Team, part of the shipboard physical security organization.

SAU - Ship Augment Units, reserve personnel units designated to augment specific ships' companies.

SCLSIS - Ship Configuration and Logistics Support Information System

SDOSS - Sewage Disposal Operational Sequencing System

SEAOPS - Safe Engineering and Operations, name of a series of manuals which are the primary reference for LCAC operations.

SELRES - Selected Reservists

SERT - Ship Electronic Repair Team

SESI - Shipboard Explosive Safety Inspection

SMDR - The Senior Medical Department Representative

SOMMTIP - Ship's Overhaul Modernization Manning and Training Information Program

SORM - Ship's Organization and Regulations Manual (OPNAVINST 3120.32)

SORTS - Status of Resources and Training Systems, an operational report describing ships material and training readiness to perform its mission.

SRTS - Short Range Training Schedule

SSAAPP - Surface Ship Acoustic Analysis Proficiency Program

SSRNM - Ship's Self Radiated Noise Measurement

SSWC - Ship's Surface Weapons Coordinator

STEP - Shipboard Training Enhancement Program. *See* Appendix E.

STO - System Test Officer

STT - Seamanship Training Team

SWC - Ship's Weapons Coordinator, underway watch position in charge of ships weapons in tactical data equipped ships.

SWO BST - Surface Warfare Officer Billet Specialty Training, training identified by BUPERS for required enroute training.

SWTW - Surface Warfare Training Week, see Chapter 4, Section 2.

Tactical Training Strategy - term to describe the current plan for training of ships and staffs, with emphasis on self sustaining training capability with training teams and "train the trainer" application of training resources.

TADTAR - Temporary Additional Duty Target. Money allocated to ships and staffs to support temporary additional duty (TAD) expenses.

TAO - Tactical Action Officer, key underway watch officer who may have weapons release authority in the temporary absence of the commanding officer.

TCD - Training Control Device allows the AN/SQQ-89(V)-T OBT on up to eight ships to run a coordinated, simultaneous ASW scenario.

TEMADD - Same as Temporary Additional Duty (TAD)

TRMS - TYCOM Readiness Management System. See Chapter 6.

TRNGREP - Training report. Vehicle for ships and units of the force to report accomplishment of required training.

TSTA - Tailored Ship Training Availability. The training period(s) between CART II and FEP, supported by ATG in accordance with ISIC / CO desires.

TTS - See Tactical Training Strategy

TYCOM - Type Commander

UBFCS - Underwater battery fire control system

UUV - Unmanned underwater vehicle

VBSS - Visit, Board, Search and Seizure, refers to measure used with respect to commercial shipping, typically in conjunction with counter-drug or maritime interception operations.

VERTREP - Vertical replenishment

Warfare Specialty Training - Formerly TSTA 4. This is specific training for amphibious warfare, mine warfare, or salvage ships conducted in conjunction with other basic training.

WCO - Weapons Control Officer

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